2.

No. 30 A.

BUREAU OF NAVIGATION—HYDROGRAPHIC OFFICE.

No. 1 A.

LIST OF LIGHTS

ON THE

EAST AND WEST COASTS

OF

NORTH AND SOUTH AMERICA,

(EXCEPT THE UNITED STATES,)

INCLUDING

BRITISH NORTH AMERICA; THE WEST INDIA ISLANDS, AND THE ADJACENT COASTS; THE COAST OF BRAZIL, ETC., TO CAPE HORN; THE PACIFIC COAST OF AMERICA, AND THE PACIFIC ISLANDS.

CORRECTED TO JULY 20, 1881,

AT THE U. S. HYDROGRAPHIC OFFICE.

(Navigators are requested to inform the U. S. Hydrographic Office, Washington, D. C., of any omissions or errors they may discover in this List.)

Price Cents.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1881.

F. Fix

Fl. Fl

F. & F

Rev. I

Int. I

Alt. A

C. Cato

D. Diop

Ord. O

N

B. Brazi

B. A. B

B. O. B

C Chile

The be

Measu

The dis

Lights

ABBREVIATIONS AND EXPLANATIONS.

LIGHTS.

F. Fixed or steady.

FL. Flashing. Showing five or more flashes and eclipses, alternately, in a minute.

F. & FL. Fixed light, with a white or red flash in addition, (preceded and followed by a short eclipse,) at intervals.

REV. Revolving. Light gradually increasing to full effect, and gradually decreasing to eclipse, at equal intervals.

INT. Intermittent. Suddenly appearing in view, remaining visible for a certain time, and then as suddenly eclipsed for a shorter time.

ALT. Alternating. Red and white light, alternately, at equal intervals, without any intervening eclipse.

ILLUMINATING APPARATUS.

C. Catoptric, or by metallic reflectors.

D. Dioptric, or by refracting lenses.

ORD. Order or class of apparatus, numbered from the first to the sixth order.

N. North.	E. East.	S. South.	W. West.
B. Brazil.	Da. Danish.	M. Mexico.	Spa. Spain.
B. A. Buenos Ayres.	Du. Dutch.	N. G. Nueva Grenada.	U. S. United States.
B. O. Banda Oriental.	E. England.	P. Peru.	V. Venezuela.
C Chile.	F. France.	R. Russia.	

The bearings are magnetic, and are given *from* the ship, *not from* the light.

Measurements are given in English feet, yards, and nautical miles.

The distance the lights are visible is calculated from a height of fifteen feet above the level of the sea at high water.

Lights are to be considered as *white* unless otherwise stated.

TABLE I.

TABLE OF DISTANCES *at which objects can be seen at sea, according to their respective elevations and the elevation of the eye of the observer.*

Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.	Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.	Heights, in feet.	Distances, in statute or English miles.	Distances, in geographic or nautical miles.
5	2.958	2.565	70	11.067	9.598	250	20.916	18.14
10	4.184	3.628	75	11.456	9.935	300	22.912	19.87
15	5.123	4.443	80	11.832	10.26	350	24.748	21.46
20	5.916	5.130	85	12.196	10.57	400	26.457	22.94
25	6.614	5.736	90	12.549	10.88	450	28.062	24.33
30	7.245	6.283	95	12.893	11.18	500	29.580	25.65
35	7.826	6.787	100	13.228	11.47	550	31.024	26.90
40	8.366	7.255	110	13.874	12.03	600	32.403	28.10
45	8.874	7.696	120	14.490	12.56	650	33.726	29.25
50	9.354	8.112	130	15.083	13.08	700	35.000	30.28
55	9.811	8.509	140	15.652	13.57	800	37.416	32.45
60	10.246	8.886	150	16.201	14.05	900	39.836	34.54
65	10.665	9.249	200	18.708	16.22	1,000	41.833	36.28

EXAMPLE: A tower 120 feet high will be visible, to an observer whose eye is elevated 15 feet above the water, 17 nautical miles; thus, from the table:

15 feet elevation;	distance visible,	4.443	nautical miles.
120 "	"	12.56	"
		17.003	

TABLE II.

Table for Finding the Distance *of an object by two bearings, and the distance run between them.*

Points.	Difference between the course and the FIRST bearing—points.																	
Difference between the course and the SECOND bearing.	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½
4	1.00																	
4½	0.81	1.23																
5	0.69	1.00	1.45															
5½	0.60	0.85	1.17	1.66														
6	0.54	0.74	1.00	1.35	1.85													
6½	0.49	0.67	0.88	1.14	1.50	2.02												
7	0.46	0.61	0.79	1.00	1.27	1.64	2.17											
7½	0.43	0.57	0.72	0.90	1.11	1.39	1.77	2.30										
8	0.41	0.53	0.67	0.82	1.00	1.22	1.50	1.87	2.41									
8½	0.40	0.51	0.63	0.76	0.92	1.09	1.31	1.58	1.96	2.50								
9	0.39	0.49	0.60	0.72	0.85	1.00	1.18	1.39	1.66	2.03	2.56							
9½	0.38	0.48	0.58	0.69	0.80	0.93	1.08	1.25	1.46	1.72	2.08	2.60						
10	0.38	0.47	0.57	0.66	0.76	0.88	1.00	1.14	1.31	1.51	1.76	2.11	2.61					
10½	0.38	0.47	0.56	0.65	0.74	0.84	0.94	1.06	1.19	1.35	1.55	1.79	2.12	2.60				
11	0.39	0.47	0.56	0.64	0.72	0.81	0.90	1.00	1.11	1.24	1.39	1.57	1.80	2.11	2.56			
11½	0.40	0.48	0.56	0.63	0.71	0.79	0.87	0.95	1.05	1.15	1.27	1.41	1.58	1.79	2.08	2.50		
12	0.41	0.4[illegible]	0.57	0.64	0.71	0.78	0.85	0.92	1.00	1.08	1.18	1.29	1.41	1.57	1.76	2.03	2.41	
12½	0.43	0.51	0.58	0.65	0.71	0.77	0.83	0.90	0.97	1.03	1.11	1.20	1.29	1.41	1.55	1.72	1.96	2.30

Rule.—Multiply the distance run in the interval between the two bearings by the number found in the table under the difference between the course and first bearing, and opposite the difference between the course and second bearing. The product is the distance at the time the second bearing was taken.

Example.—A light-house, when first seen, bore W.NW.; after running W. by S. 16 miles, it bore N. ¼ W. Required, its distance when the second bearing was taken.

Difference between course and first bearing - = 3 points.
Difference between course and second bearing = 8½ points.
Corresponding tabular number - - - - - = 0.63
And 16 miles × 0.63 = 10.08 miles, the distance required.

LIGHTS.

LABRADOR.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
1	BELLE ISLE	Straits of Belle Isle, extreme S. point of island.	51 53 0	55 22 15	1	----------	F.	----------
2		300 feet below old lighthouse on south point of island.	51 53 0	55 22 15	1	----------	F.	----------
3	AMOUR POINT	SE. side of Forteau bay	51 27 35	56 50 53	1	----------	F.	----------
4	GREENLY ISLAND	SW. point	51 22 35	57 10 50	1	----------	Rev., white and red, and white.	Every 1¼ minutes.

NEWFOUNDLAND.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
5	CAPE NORMAN	Straits of Belle Isle	51 38 0	55 53 40	1	----------	Rev.	Every 2 minutes
6								
7	POINT RICH	NW. coast, straits of Belle Isle.	50 41 50	57 25 28	1	----------	Fl.	Every 15 seconds
8	TOULINGUET (Twillingate)	On Long point, (Devil Cove head.)	49 41 20	54 47 35	1	----------	Rev.	Every 30 seconds.
9	OFFER WADHAM	On island	49 35 40	53 43 30	1	----------	F.	----------
10	CANN ISLAND	South of Fogo island	19 35 5	54 10 30	1	----------	F.	----------

Character of light.	Interval of revolution or flash.
F.	----------
F.	----------
F.	----------
v., and and ite.	Every 1½ minutes.
v.	Every 2 minutes
	Every 15 seconds
.	Every 30 seconds.

LIGHTS.

LABRADOR.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1	470	28	Circular; clapboarded, white.	62	D., 1st ord.	1858	Lighted from April 1 to December 15. Visible between the bearings NW. by N. round by S. to E., illuminating an arc of 236°. During fogs and snow storms a gun will be fired every hour. Depot of provisions for shipwrecked mariners.
2	128	17	Square; white; wood	31	C.	1880	Additional light, as the higher light is frequently hidden by fog. Visible in all directions except when intercepted by high land of island to the northward.
3	155	18	Circular; clapboarded, and white.	109	D., 2d ord.	1858	Lighted from April 1 to December 15. During fogs and snow storms a gun is fired every hour, and a fog-whistle gives a blast of 10 seconds' duration every minute, with an interval of 50 seconds between blasts.
4	100	15	Octagonal; wood; f wn color; with keep r's dwelling attached.	78	C.	1878	This light shows WHITE ⅛ minute; RED ⅛ minute; WHITE ⅛ minute; and is eclipsed 1½ minutes during each revolution of 3 minutes.

NEWFOUNDLAND.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
5	138	20	Hexagonal; white t ilding.	40	C.	1871	Visible from all points seaward.
6							
7	130	18	Hexagonal; white	40	C.	1871	Keeper's dwelling white; 100 feet from light.
8	335	27	Square; red; brick; keeper's dwelling attached.	45	C.	1876	
9	100	12	Circular; brick	------	D.	1858	
10	85	12	Wood; attached to keeper's dwelling.	------	D., 6th ord.	1874	Illuminates an arc of 327°.

NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
10a	STINKING ISLANDS	Cabot Island	49 10 26	53 21 21	1		Int.	11 seconds bright, 9 seconds dark.
11	PUFFIN ISLAND	On island	49 3 37	53 32 27	1		F. red.	
12								
13	BONAVISTA	On cape	48 41 56	53 5 10	1		Rev., red and white.	Every 45 seconds: flash 15 seconds; eclipsed 30 sec's.
14								
15	CATALINA HARBOR	Green island, near entrance.	48 30 15	53 2 40	1		F.	
16								
17	TRINITY HARBOR	Fort point, at entrance to harbor.	48 21 55	53 20 51	1		F.	
18								
19	BACCALIEU ISLAND	Half a mile from N. part	48 8 51	52 47 50	1		Rev.	Every 20 seconds.
19a	CARBONEAR ISLAND	Summit	47 44 24	53 9 22	1		F.	

Character of light.	Interval of revolution or flash.
Int.	11 seconds bright, 9 seconds dark.
. red.	------
Rev., d and hite.	Every 45 seconds: flash 15 seconds; eclipsed 30 sec's.
F.	------
F.	------
Rev.	Every 20 seconds.
F.	------

NEWFOUNDLAND—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
10a	74	10	Iron tower on keeper's dwelling; square; flat-roofed; painted alternate horizontal red and white bands.	------	D., 4th ord.	1880	
11	85	12	Granite; attached to keeper's dwelling.	------	D., 4th ord.	1873	Visible between the bearings W. by N. and N. by E., over an arc of 270°.
12							
13	150	16	Square, with vertical red and white stripes.	36	D., 1st ord.	1843	RED and WHITE, alternately, in every direction seaward Kept open of Spillers' point clears the Flowers rocks.
14							
15	92	15	Wood; white; red roof	------	C., 4th ord.	1857	Visible from seaward between the bearings W SW. and NE., illuminating an arc of 157½°.
16							
17	75	11	Wood; white	------	D., 6th ord.	1874	Illuminates an arc of 320°.
18							
19	380	28	Circular; brick	34	C., 1st ord.	1858	When the S. part of the island bears N NE. ½ E. within the distance of 8 miles, the light is not visible, being obscured by the high land. The keeper's dwelling is white, and roof red.
19a	195	16	Wood; white; keeper's dwelling attached; red roof.	------	D., 6th ord.	1878	

NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
20	CAPE ST. FRANCIS		47 48 30	52 46 50	1		F. red.	
21	HARBOR GRACE	On N. end of island	47 42 45	53 8 11	1		Rev., white and red.	Every ½ minute; 2 white and 1 red flash.
22								
23		Point of beach, N. side	47 41 23	53 12 33	2	Vertical, 33 feet apart.	F.	
24								
25		Fort Amherst, S. side of entrance.	47 33 54	52 40 18	1		F.	
26								
27	ST. JOHN'S HARBOR	Upper light 10 feet from NE. corner of Congregational chapel.	47 34 3	52 42 5	1		F. red.	
28								
29		Lower light on top of custom-house.	47 34 2	52 41 47	1		F. red.	
30								

NEWFOUNDLAND—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
20	123	12	White; wood		D., 5th ord.		During the continuance of thick weather and snow storms a powerful siren trumpet will be sounded. Sound 5 seconds, silence 7 seconds; sound 5 seconds, silence 43 seconds.
21	151	18	Square; wooden house; roof white and red stripes.	35		All'd 1869	On keeper's dwelling. Visible between the bearings N NE. and S SW.
22							
23	40 17	11 3	Wood; white	38	Gas	1853	West, leads in to clear the spit of 8 feet. Appears as a double light for 3 miles only. Obscured by the Salvage on the bearing W. ½ S.
24							
25	114	16	Square; stone; on keeper's dwelling.	39	C., 4th ord.	1834	Visible seaward between the bearings W SW. and N NE. When Cape Spear or St. John's harbor is enveloped in fog, a gun is fired every hour during daylight. St. John Chain rock battery in longitude 52° 40′ 47″ W.
26							
27	225					1863	
28							These two lights in one lead through the Narrows, NW. ¾ W.
29	50					1863	
30							

NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
31	CAPE SPEAR	On cape	47 31 11	52 36 59	1		Rev.	Every minute
32								
33	FERRYLAND HEAD	East coast of Newfoundland	47 0 —	52 51 —	1		F.	
34								
35	CAPE RACE	On cape	46 39 24	53 4 20	1		Rev.	Every ½ minute
36								
37	CAPE PINE	On cape	46 37 4	53 31 45	1		F.	
38								
39	CAPE ST. MARY	On cape	46 49 30	54 11 34	1		Rev., red and white.	Every minute, alternately red and white.
40	PLACENTIA HARBOR	Point Verde	47 14 10	54 0 20	1		F.	
41	BURIN ISLAND	Dodding head	47 0 26	55 8 3	1		Rev.	Every 20 seconds.
42								

NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.
Rev.	Every minute
F.	
Rev.	Every ½ minute
F.	
., nd te.	Every minute, alternately red and white.
	Every 20 seconds

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
31	264	22	Square; wood; red and white horizontal stripes.	38		1835	In thick or foggy weather a trumpet, sounding by the escape of compressed air, will be sounded seven seconds in each minute.
32							
33	200	16	Brick; red			1871	Keeper's dwelling painted white, with red roof.
34							
35	180	19	Circular; SE. face of light-house striped red and white, vertical.	40	C., 1st ord.	1856	A conical beacon stands 50 yards S. from light-house, and telegraph station N. 240 yards from light-house. Visible between the bearings E NE. and W SW. During fogs and snow storms a steam fog-whistle, 250 feet from the light-house, will be sounded for 10 seconds, with intervals of 50 seconds and will probably be heard with or against a light wind 6 to 7 miles.
36							
37	314	24	Circular; red and white bands.	56		1851	Visible in all directions seaward between the bearings W. by S. and SE.
38							
39	390	26	Circular; brick	40	D., 1st ord.	1860	
40	98	11	Tower; wood; white; keeper's dwelling attached.		D., 5th ord.	1879	
41	450	27	Circular; on keeper's dwelling	25	D, 1st ord.	1858	
42							

NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
43	St. Pierre Island	Galantry head	46 46 3	56 9 7	1	Fl., white and red.	Every 10 seconds, 3 flashes, 2 white and 1 red.
44							
45		Canon point, St. Pierre harbor.	46 47 2	56 9 38	1	F.	
46							
47		NW. of above ¼ mile			1	F.	
48							
49		Ile aux Chiens, SW. point			1	F. red, with white sector.	
50	Lamelin harbor	Southeast point of Allan island.	46 51 0	55 47 0	1	F.	
51		Brunet island, Mercer head, S. part of island.	47 15 32	55 51 50	1	Fl.	Every 10 seconds
52	Fortune bay	Garnish	47 14 —	56 24 —	1	F. red.	
53		At Belloram, on the point of beach.	47 29 0	55 27 15	1	F.	

NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Fl., hite and red.	Every 10 seconds, 3 flashes, 2 white and 1 red.	43	210	18	Nearly square; white	36	D., 2d ord.	1862 alt'd 1879	During thick weather, fogs, and snow storms, a fog-whistle at Galantry head, about 50 yards from the hillock above the light-house, will be sounded from the 15th of March to the 1st of December, and from December 1st to March 15th, on the arrival of the mail-steamer from Halifax. The whistle will be sounded 6 seconds every minute, with intervals of 54 seconds between the blasts; and will probably be heard with or against a light breeze 7 miles. This signal will replace the gun, which will hereafter only be fired when the fog-whistle is undergoing repairs. Semaphore signal-station. Vessels can obtain information in regard to ice, winds, &c., in the gulf.
		44							
F.		45	36	6	Square; white		C., 4th ord.	1862	These two lights kept in one, NW., lead mid-channel through S. entrance, and indicate the best water between the Bertrand rocks and Ile aux Chiens.
		46							
F.		47	64	3	Square; white		C., 4th ord.	1862	RED light kept in sight to the left of Cape Eagle, working into the NE. passage, clears to S. of Cape Rouge shoals.
		48							
red, white ector.		49	62	7	Iron; red			1874	The WHITE sector illuminates an arc of 40°, between the bearings NW. ¾ N. and N. ¼ E., and by keeping within it the Busse Bataille rock on the right and Bertram rocks on the left are cleared. The RED one illuminates an arc of 127°, between N. ¼ E. and SE. ½ E., which must be avoided on entering the SE. channel; but when outside the white sector it will assist in anchoring in the harbor if the white light on Pointe aux Canons and the red light in the town are kept well in line.
F.		50	64		Octagonal; wood; red and white.		D., 6th ord.	1879	
Fl.	Every 10 seconds	51	408	25	Center of a square house; white; roof red.	30	D., 3d ord.	1865	Visible in all directions except when obscured by the land between ESE. and S.
red.		52	20		Wood; supporting an octagon, painted red and white.			1874	Guide to fishing-vessels.
F.		53	35	7	Wood; white		D., 6th ord.	1874	Illuminates an arc of 270°.

NEWFOUNDLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
54	HERMITAGE BAY	Pass island	47 29 15	56 12 0	2 Vertical: 14 feet apart.	F. F. red.	
55	BRITON HARBOR	On rocky point, W. side	47 27 30	55 47 45			
56	BOAR ISLAND	Burgeo islands	47 36 10	57 35 10	1	F. red.	
57	ROSE BLANCHE POINT	On eastern head	47 35 48	58 41 30	1	F.	
58	PORT-AU-BASQUE	Channel head	47 33 50	59 7 10	1	F. red.	
59	CAPE RAY	W. side of cape Ray	47 37 0	59 18 0	1	Fl.	Every 10 seconds.
60							

ST. LAWRENCE GULF AND RIVER.

In the gulf and river St. Lawrence below Quebec the light-houses are lighted on April 1st and extinguished December 20th.

61	ST. PAUL ISLAND	On rock, 26 feet from island, NE. point.	47 13 50	60 8 20	1	F.	
62							
63		SW. point	47 11 20	60 9 36	1	Rev.	Every minute
64							

NEWFOUNDLAND—Continued.

Character of light.	Interval of revolution or flash.
F. F. red.	
F. red.	
F.	
F. red.	
Fl.	Every 10 seconds.
xtinguished December 20th.	
F.	
Rev.	Every minute

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
54	281 207	19	Wood; white; keeper's dwelling attached.		D. D.	1879	RED light visible between the bearings S. 76° 30′ E. and N. 32° 30′ W., over an arc of 136°. These two lights appear as one light at a distance of 4¼ miles.
55							*Destroyed by fire, June, 1881.*
56	160	17	Wood; attached to keeper's dwelling.		D., 6th ord.	1874	Illuminates an arc of 270°.
57	95	13	Granite; attached to keeper's dwelling.		D., 4th ord.	1874	Visible between the bearings E. and W. by N., illuminating an arc of 169°.
58	90	12	Wood		D., 4th ord.	1874	Illuminates entire horizon.
59	41	20	Hexagonal; wood; white		C.	1871	At a long distance it appears as a steady light. During thick and foggy weather a steam fog-whistle, situated ¼ mile east of the light-house, will be sounded for 10 seconds, with intervals of 50 seconds, each minute. It will be heard, with a light breeze, 8 miles.
60							

ST. LAWRENCE GULF AND RIVER.

the only exceptions being the one on Bird rock, on December 31st, and SW. point of St. Paul island, lighted all the year round.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
61	140	20	Octagonal; wood; white	40	D., 3d ord.	1839	Obscured between the bearings N. by E. ¼ E. and E NE
62							
63	140	20	Octagonal; wood; white.	40	D., 3d ord.	1831	Visible on all bearings except between S SE. and W. During thick and foggy weather a steam fog-whistle, on the S. side of St. Paul island and SW. side of Atlantic cove, about ⅛ mile distant from St. Paul's Island Humane Establishment, will be sounded *every minute*, the blast continuing *five seconds*. It will probably be heard in calm weather, or with the wind, from 10 to 15 miles; in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
64							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
65	MAGDALEN ISLANDS.	Entry island	SE. side	47 16 30	61 42 0	1	F. red.	
66								
67		Amherst island	South cape	47 13 0	61 58 0	1	Rev., red and white.	Every ½ minute.
68								
69		Grindstone island	W. side, near Étang du Nord	47 23 30	61 58 0	1	Rev.	Every 3 minutes, with a flash every minute and a half
70								
71		Great Bird rock	E. end	47 50 40	61 8 20	1	F.	
72								
73		CAPE ROZIER	On cape	48 51 37	64 12 0	1	F.	
74								
75		GASPÉ BAY	On cape Gaspé	48 45 15	64 9 15	1	F. red.	
76								

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
65	90	12	Square; wood; white; attached to keeper's dwelling.	28	C.	1874	Visible from all points of the compass except from E SE. round to N., where it is intercepted by the high land of the island.
66							
67	------	20	Hexagonal; wood; white	------	C.	1871	
68							
69	200	20	Square; wood; white	28	C.	1874	The whistle will be sounded during thick weather, fogs, and snow storms, so as to give two blasts of 8 seconds' duration in each minute, with an interval of 22 seconds between the blasts. The blasts will probably be heard in calm weather, or with the wind, from 8 to 12 miles, and in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
70							
71	140	21	Hexagonal; white	50	D., 2d ord.	1870	White dwelling 200 feet distant. During fogs and snow storms a gun is fired every ½ hour.
72							
73	136	16	Circular; faced, clapboarded, and white	112	D., 1st ord.	1858	During fogs and snow storms a gun is fired every hour.
74							
75	350	12	Square; wood; white; on keeper's dwelling.	30	C.	1873	During thick and foggy weather or snow storms a steam fog-whistle will be sounded for 10 seconds in each minute, with an interval of 50 seconds between each blast. It will probably be heard in calm weather, or with the wind, from 8 to 13 miles; in stormy weather, or against the wind, from 3 to 6 miles.
76							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
77	GASPÉ BAY—Contin'd	NW. by N., 12 miles from the cape.	48 51 0	64 24 0	1	F.	
78							
79		O'Hara point, wharf basin	48 49 53	64 31 41	1	F. red.	
80							
81		Light-vessel off Sandy Beach point.	48 50 45	64 24 30	2	Vertical, 6 ft. apart.	F. F. red.
82							
83	ANTICOSTI ISLAND	Heath point	49 6 30	61 12 30	1	F.	
84							
85		Bagot bluff	49 1 30	62 17 30	1	Rev.	Every 20 seconds.
86							
87		SW. point	49 23 45	63 35 46	1	Rev.	Every minute
88							

ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.
F.	
F. red.	
F. F. red.	
F.	
Rev.	Every 20 seconds.
ev.	Every minute

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted	Remarks.
77	40	11	.....	.....	C.	1867	
78							
79	20	7	.....	.....	C.	.....	Shown only when mail steamers are expected.
80							
81	(35) (20)	7	Red; "LIGHT-VESSEL" on her sides.	.....	C.	(1871) (1872)	For guiding vessels into the harbor.
82							
83	110	15	Circular; faced, clapboarded, and white, with one red horizontal band.	90	C.	1835	Visible between the bearings of SW. by W. and E. The light-house must always be kept open southward of Cormorant point. Depot of provisions here for shipwrecked mariners.
84							
85	75	14	Hexagonal; wood; white, with one red vertical stripe.	54	C.	1871	Keeper's dwelling, also of wood, painted white, and stands about 150 feet E. of the tower. During foggy weather a steam fog-whistle, 100 yards E. of the light-house, will be sounded for 10 seconds in every minute, with intervals of 50 seconds. In calm weather will be heard 15 miles, and with the wind 20 miles; during a storm and against the wind, about 7 miles.
86							
87	100	15	Circular; white, with two red horizontal bands.	75	C.	1831	Visible between the bearings N NW. and SE. by E.
88							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash
			° ′ ″ N.	° ′ ″ W.			
89	ANTICOSTI ISLAND—Cont'd.	Extreme W. point	49 52 30	64 32 0	1	F.	
90							
91	CAPE MAGDALEN	On cape	49 15 40	65 19 30	1	Rev., red and white.	Every 2 minutes
91a	FAME POINT	South shore of gulf of St. Lawrence	49 6 48	64 36 20	1	F. & Fl. red.	Every 20 seconds
92	MARTIN RIVER	S. shore, St. Lawrence river	49 13 25	66 9 0	1	F.	
93	CAROUBAL ISLAND	N. shore of gulf of St. Lawrence.	50 5 40	66 22 40	1	F.	
94							
95	EGG ISLAND	600 feet from S. end of island.	49 38 0	67 10 0	1	Rev.	Every 1¼ minutes
96							
97	CAPE CHATTE	NW. point	49 5 55	66 45 20	1	Rev.	Every ½ minute
98							

ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.	.....	89	112	15	Circular; clapboarded; white, with two red vertical stripes.	109	D. 2d ord.	1858	During fogs and snow storms a gun is fired every hour. Depot of provisions for shipwrecked mariners.
		90							
Rev., red and white.	Every 2 minutes.	91	147 { B. 15 W. 20 }		Hexagonal; wood; white, with one black vertical stripe.	54	C.	1871	
F. & Fl. red.	Every 20 seconds.	91a	200	20	Square wooden tower; white, with one black horizontal band; dwelling attached, painted white.	50	C.	1880	Visible from all points seaward.
F.	.....	92	125	17	Square; wood; white, with two black horizontal bands; keeper's dwelling attached.	54	C.	1876	
F.	.....	93	200	20	Square; wood; white, with one red horizontal band; attached to keeper's dwelling.	39	C.	1876	
		94							
Rev.	Every 1¼ minutes.	95	70	15	Octagonal; white, with one red vertical stripe; on keeper's dwelling.	35	C.	1871	
		96							
Rev.	Every ¼ minute.	97	120	18	Square; wood; white, with two black vertical stripes.	26	C.	1875	Situated about 480 yards E.N.E. from former light-house.
		98							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
99	MATANE	Rimouski river, St. Lawrence.	48 52 —	67 33 —	1	F.	
100							
101	POINT DE MONTS	About 1¼ miles NE. of point.	49 19 35	67 21 55	1	F.	
102							
103	MANICOUAGAN	Manicouagan shoals; light-vessel, in 25 fathoms, 4 miles from land; E. peninsula bearing NE., and W. peninsula W NW.	49 2 0	68 15 0	2	1 on foremast; 1 on main-mast.	F.
104							
105	LITTLE METIS POINT	On point	48 40 15	68 2 30	1	Alt.	Greatest brilliancy every minute.
106							
107	FATHER POINT, Rimouski	On point	48 31 25	68 27 18	1	F.	
108							
109	BICQUETTE ISLANDS	Near center	48 25 18	68 53 20	1	Rev.	Every 2 minutes.
110							

ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-tower or vessel.	Height of tower from base to focal plate.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		99	65	10	Square; wood; white, with one black horizontal band and vertical stripe; on keeper's dwelling.	28	C.	1873	
		100							
F.		101	100	15	Circular; clapboarded, and white, with two red horizontal bands.	75	C.	1830	Depot of provisions for shipwrecked mariners. During fogs and snow storms a gun will be fired every hour.
		102							
F.		103	{24 / 27}	12	Black; "MANICOUAGAN, QUEBEC," on her stern.		D.	1872	During thick or foggy weather or snow storms a steam fog-whistle will be sounded as follows: A blast of 8 seconds, an interval of 8 seconds, then another blast of 8 seconds, after which an interval of 2 minutes and 20 seconds. It will probably be heard at the following distances: In calm weather, or with the wind, from 10 to 20 miles; in stormy weather, or against the wind, from 3 to 8 miles.
		104							
Alt.	Greatest brilliancy every minute.	105	56	15	Square; white; attached to keeper's dwelling.	40	C.	1874	
		106							
F.		107	43	10	Square; white, with one black horizontal band.		C.	1859	Pilots stationed here.
		108							
Rev.	Every 2 minutes.	109	112	17	Circular; clapboarded, and white.	65	C.	1844	During fogs and snow storms a gun [illegible]d every half-hour.
		110							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
111	PORT NEUF	On a pier	48 37 —	69 6 — 1		F.	
112							
113	RED ISLAND BANK	Light-vessel, in 10 fathoms; ½ mile E NE. from red buoy.	48 6 30	69 31 0 2	1 on foremast; 1 on mainmast.	F.	
114							
115	SAGUENAY RIVER	On center of Lark islet	48 5 30	69 39 0 1		F.	
116							
117	RED ISLET	Center of islet	48 4 20	69 32 56 1		F. red.	
118							
119	GREEN ISLAND	On N. point	48 3 17	69 25 3 1		F.	
120							
121	BRANDY POTS	84 yards from SE. end of islet.	47 52 30	69 40 50 1		F.	
122							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
111	40	15	Square; wood; white, with two red vertical stripes.	27	C.	1873	
112							
113	(34) (22)	12	Red; "RED ISLAND LIGHT-SHIP" on her sides.	34	C. D.	1871 1873	During thick or foggy weather or snow storms a steam fog-whistle will be sounded from the light-vessel 10 seconds in every minute, and will probably be heard at the following distances: In calm weather, 15 miles; with the wind, 20 miles; in stormy weather, 5 to 8 miles; against the wind, 3 to 5 miles.
114							
115	35	10	Square; wood; white	29	C.	1872	
116							
117	75	12	Circular; gray stone	51	C.	1848	
118							
119	60	13	Octagonal; clapboarded, and white.	40	C.	1809	During fogs and snow storms a gun is fired every half-hour.
120							
121	78	10	Brick; drab color	39	D., 4th ord.	1862	
122							

ST. LAWRENCE GULF AND RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
123	LONG PILGRIMS	40 yards W. of center of island and 108 yards S from water's edge.	47 43 15	69 45 0	1	F.	
124							
125	GRANDE ISLE, KAMOURASKA.	240 yards from NE. end of island; 160 yards from water's edge.	47 38 0	69 52 0	1	Rev.	Every minute
126	POINT AUX ORIGNEAUX	St. Denis wharf	47 29 36	70 1 43	1	F.	
126*a*	GOOSE CAPE	On cape	47 29 30	70 13 45	1	F.	
126*b*	ST. PAUL BAY	On pier	47 24 45	70 29 —	1	F.	
127	SOUTH TRAVERSE	Light-vessel, on NW. edge of St. Roque shoals.	47 19 50	70 16 0	2	F.	
128							
129		Light-vessel, NE. part of St. Roque shoals.	47 22 10	70 14 50	2	One light 4 ft. higher than the other.	F.
130							
131	STONE PILLAR	100 yards from S point of islet.	47 12 25	70 21 36	1	Rev.	Every 1½ minutes
132	ALGERNON ROCK	S. from the Stone Pillar	47 12 25	70 21 26	1	F.	

ST. LAWRENCE GULF AND RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		123	180	12	Brick; drab color	39	D., 4th ord.	1862	
		124							
Rev.	Every minute	125	106	18	Wood	39	C.	1862	
F.		126	34	10	Square; wood; white	20	C.	1875 al'td 1880	Visible from all points seaward.
F.		126a	48	12	Painted white; keeper's dwelling attached.	42	C.	1876	
F.		126b	36	10	Square; wood; painted white; keeper's dwelling attached.	30	C.	1876	
F.		127	{24 / 16}	6	Two masts		C.	1871	During thick or foggy weather or snow storms a bell will be tolled. If, from any accident, the light-vessel should be out of position, the light on the foremast only will be exhibited, and during the day the ball at the foremast-head will be taken down.
		128							
F.		129		10	Iron; two masts; "TRAVERSE LIGHT-SHIP" in white letters on each side.	{23 / 27}	D.	1875	During thick or foggy weather and snow storms a whistle will be blown for 12 seconds every minute; interval of 48 seconds between sounds. If, from any accident, the vessel should be out of position, one light only will be shown. A RED ball is carried at mainmast-head, which will also be lowered in case of accident.
		130							
Rev.	Every 1½ minutes	131	68	13	Conical; stone; white	38	C.	1843	
F		132	3.	6	Square; wood, white	32	D., 6th ord.	1880	To guide vessels passing clear of the rock.

ST. LAWRENCE RIVER.

Number.	Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.	Height of light above sea level
133	CAPE ROUGE	Montée du Lac	47 7 40	70 42 30	1	...	F.		17
134		On cape	47 7 45	70 40 28	2	100 yds. apart.	F.	...	130 / 170
135	CRANE ISLAND	1½ miles from W. point of island	47 3 0	70 33	1	...	F.	...	11
136									
137	BELLE CHASSE	E. end of island	46 56 0	70 46 0	1	...	F.	...	70
138									
139	ORLEANS ISLAND	St. John	46 55 20	70 53 30	1	...	Rev.	Every ½ minute	27
140									
141		St. Lawrence point	46 51 50	71 2 0	1	...	F.	...	38
142		St. Francis	47 0 12	70 45 19	2	1,379 yards apart.	F.	...	110 / 30 / 10 / 12
143	ST. ANTOINE	S. shore	46 39 43	71 36 10	1	...	F.	...	96 / 10
144									

ST. LAWRENCE RIVER.

	Character of light.	Interval of revolution or flash.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	F.		17	10	Square; wood; white	30	C.	1870	
	F.		{230 / 170}	10 to 12		{31 / 24}	C.	1875	Range lights between Traverse spit and Brulé bank.
	F.		14	10	Wood	37	C	1862	
	F.		70	13	Wood	30	C.	1862	
	Rev.	Every ¼ minute.	27	15	Square; wood; white; on a wharf.	23	C.	1874	
	F.		38	8	Wood; white		C.	1869	
	F.		{110 / 30}	10 to 12.		{30 / 28}	C.	1875	Range lights between Traverse spit and West sand.
	F		96	10	Wood; white		C.	1858	

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
145	St. Croix	On shore, near high-water mark, and ¼ of a mile N. of church.	46 37 45	71 14 10	1	F.	
146							
147	Port Neuf	On N. shore, ¾ of a mile off the river.	46 41 48 N. light.	71 52 10	2	SW. and NE., nearly 180 yards apart.	F.
148							
149	Platon point	On S. side, 1½ miles below Richelieu island.	46 39 13 N. light.	71 53 3	2	W SW. ¼ W. and E NE ¼ E., 169 yds. apart.	F.
150							
151	Richelieu	Center of island	46 38 24	71 54 51	1		F.
152							
153	Langlais point	On S. shore, ¼ a mile below Great Chene river.	46 35 5	71 59 35	1		F.
154							
155	Cape Charles	On cape	46 33 39	72 4 15	2	W NW. and E SE., 80 yards apart.	F.
156							

ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		145	30	6	Wood; white	20	C.	1842	A small light, to assist in keeping in channel for some distance up and down the river.
		146							
F.		147	{200 / 120}	5	Both stone, and white; the lower lantern is on roof of house.		C.	1842	These lights in one lead up Richelieu channel to the light on Richelieu island.
		148							
F.		149	{152 / 130}	12	Octagonal; wood; white	{24 / 7}	C.	{1816 / 1824}	These lights lead up the Richelieu channel.
		150							
F.		151	27	6	Octagonal; stone		C.	1816	This light and the lights on Platon point are very nearly in the same line of bearing, viz: E NE. ¼ E.
		152							
F.		153	35	5	Wood	8	C.	1844	To point out the Battures des Grondines, and to avoid Battures Cordin, and as a steering point for Richelieu.
		154							
F.		155	110	4	Wood	20	C.	1856	Lead to and from cape à la Roche and cape Charles, answer as a steering point through Richelieu river.
		156							

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
157	GRONDINES	N. shore	46 35 40	72 1 12	2 SW. by W. ¾ W. and NE. by E. ¾ E., 1,350 yards apart.	F.	
158							
159							
160							
161	BATISCAN	Front light about 600 feet from shore, near SE. side of main road.	46 30 35 Front l'ht.	72 15 0	2 E.NE. ¾ E. & W.SW. ¾ W., 2,050 feet apart.	F.	
162	BECANCOUR TRAVERSE	Front light 1,200 feet above the church. Back light close to the church.	46 26 26 Front l'ht.	72 20 55	2 NE. ¼ E. and SW. ¼ W., 750 feet apart.	F.	
163							
164							
165	CAPE MADELEINE	Lower lights, N. shore, 3 miles below cape.	46 23 46 S. light.	72 27 18	2 SW. by W. ¼ W. and NE. by E. ¼ E., 200 yards apart.	F.	
166							
167		Upper lights, N. shore, 2 miles below cape.	46 23 16 W. light.	72 28 38	2 W. ¼ S. and E. ¼ N., 235 yards apart.	F.	
168							

ST. LAWRENCE RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Character of light.	Interval of revolution or flash.
157	50 25	5 each.	Octagonal; wood; white	30	C.	1857	To lead off cape à la Roche to Levrard.	F.	
158									
159									
160									
161	20 42	4 each.	Octagonal; on a square platform.	18 11	C.	1844 alt'd 1879		F.	
162	34 60	6 each.	Square; white; vertical stripe of red on side facing the channel. Pole.		C.	1879	Range lights.	F.	
163									
164									
165	53 33	4	Octagonal; wood; white	13 10	C.	1843	To clear Batture Bigot.	F.	
166									
167	55 35	6	Octagonal; wood; white	30 10	C.	1843	To clear Pouillier Provenché.	F.	
168									

ST. LAWRENCE RIVER—Continued.

Number.	Name.		Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
169	PORT ST. FRANCIS		S. shore; high light on a pier.	46 16 17 Front Lht.	72 37 16	2	W SW. ¼ W. and E NE. ¼ E., 550 feet apart.	F.
170								
171	POINT DU LAC		N. shore	46 16 50	72 40 22	1		F.
172								
173	ST. PETER'S LAKE.	East	Light-vessel, in lake, off Rivière du Loup.	46 15 55	72 42 15	1		F.
174								
175		Center	Light-vessel, SSE., about 2¼ miles from Rivière du Loup.	46 11 26	72 54 12	1		F.
176								
177		Western	Light-vessel, N. side of channel, NE. by N., about 3 miles from Flat island.	46 9 37	72 56 54	1		F.
178								
179		Isle aux Raisins	N. part of island	46 6 14	72 57 50	1		F.
180								
181			S. part of island	46 6 0	72 58 0	1		F.

ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		169	14	4 each.	Octagonal; wood; white	18	C.	1839 alt'd 1879	
		170							
F.		171	71	12	Octagonal; wood; white	24	C	1843	Shows the turn of channel at point du Lac.
		172							
F.		173	15	6	Red	8	C.		Removed at the approach of winter on account of ice.
		174							
F.		175	15	6	Red	8	C.	1816	Removed at the approach of winter on account of ice. To indicate the turn of the channel, and leads to No. 2.
		176							
F.		177	15	6	Red	8	C.	1828	In connection with Isle à la Pierre, and bearing in line with No. 1, and to avoid Battures St. François and à la Carpe.
		178							
F.		179	30	6	Red	20	C.	1843	To lead from the entrance of the Batture of Lake St. Peter to No. 1 light-vessel, up and down.
		180							
F.		181			Red		C.	1862	

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
182								
183	STONE ISLAND OR ISLE À LA PIERRE.	On E. part of island	46 5 54	72 59 40	1		F	
184								
	VALTRIE	S. side of island	45 52 55 S. light.	73 16 0	2	SW. ¾ S. and NE. ¾ N., 320 yards apart.	F.	
186								
187	TRAVERSE	2½ miles above Contrecœur	45 49 54 N. light.	73 17 0	2	S SW. ¼ W. and N NE. ¼ E., 1,500 yards apart.	F.	
188								
189	ISLE AUX PRUNES	Opposite Verchères	45 46 50	73 22 30	1		F.	
190								
191	REPENTIGNY	Three-fourths of a mile below Repentigny.	45 45 2 N. light.	73 26 8	2	S SW. and N. NE., 170 yds. apart.	F.	
192								
193	ISLE À LA BAGUE	On islet	45 44 14	73 26 15	1		F.	
194								

ST. LAWRENCE RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
182							
183	30	6	Red		C.		Indicates entrance to channel and leads to No. 1.
184							
185	{21 / 13}	7	Red	{17 / 9}	C.	1831	Leads to Flat Island channel.
186							
187			Square; wood; white		C.	1858	To lead into La Valtrie channel and to Bouchard island, and indicate the new channel; to be kept in line till La Valtrie lights are brought in one.
188							
189			Octagonal; wood; white		C.	1866	To clear the island.
190							
191	{30 / 14}	4	Wood; white	{26 / 14}	C.	1843	To lead through Isle à la Bague channel, and to avoid Pouillier on the N. and shoal on the S.
192							
193	24	4	Octagonal; wood; white	16	C.	1831	To indicate the island, the land being extremely low. Removed in winter on account of ice.
194							

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
195	St Thérèse	On island	45 40 20 Front l'ht.	73 28 0	2	SW. by S. and NE. by N., 1,200 feet apart.	F.
196							
197	Point aux Trembles	N. shore	45 38 26 E. light.	73 29 20	2	SW. and NE. (nearly), 600 yds. apart.	F.
198							
199	Montreal	On island wharf	45 30 22	73 33 14	2	SW. ¼ S. and NE. ¼ N., 73 yds. apart.	F. red.
200							
201	Lachine	On pier at entrance of canal, N. shore.	45 27 0	73 41 0	1		F.
202							
203	Lake St. Louis.	Light-vessel, 0.8 mile above Lachine.	45 26 30	73 42 10	1		F.
204							
205	Lake St. Louis.	Light-vessel, 2¾ miles above Lachine.	45 25 40	73 44 15	1		F.
206							

ST. LAWRENCE RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
195	13 33	3 each.	Square; wood; white Pole.	13	C.	1879	
196							
197	53 25	6 4	Octagonal; wood; white		C.	1846	To lead through the channel between Point aux Trembles and Varennes up to Longue point.
198							
199	38 29	4 each.	Octagonal; wood	31 21	C.	1830	Indicates the deepest channel to and from the harbor.
200							
201	23	6	Square; wood; white	17	C.	1849	
202							
203	20	6	Circular; iron; red; tower on vessel white; lantern red.		C.	1849	
204							
205	20	6	Red; tower on vessel white; lantern red.		C.		
[illegible]							

ST. LAWRENCE RIVER—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
207	LAKE ST. LOUIS—Continued.	Point Claire	On new pier	45 24 30	73 45 20	1	F.	
208								
209			On a pier about a mile SE. of village.	45 26 0	73 48 —	1	F.	
210								
211		Chateauguay	Light-vessel, 4½ miles above Lachine.	45 24 0	73 49 18	1	F.	
212								
213		Beauharnois	Lower entrance of canal, S. shore.	45 19 40	73 54 30	2	NE. by E. ½ E. and SW. by W. ½ W., 414 yards apart.	F.
214								
215	OTTAWA RIVER.	Green shoal	On pier, S. side of channel, 7 miles below Ottawa city.	45 29 30	75 31 20	1	F.	
216								
217		Point l'Original	On point	45 42 0	74 46 15	1	F.	
218								

Number.	Height of light above sea-level.	Distance visible in nau
207	33	
208		
209	20	
210		
211	20	
212		
213		10
214		
215	36	9
216		
217	45	6
218		

ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		207	33	9	Square; wood; white	20	C.	1874	
		208							
F.		209	29	7	Square; white	25	C.	1860	
		210							
F.		211	20	6	Red; tower on vessel white; lantern red.		C.	1849	
		212							
F.		213		10	Square frames; wood.		C.	1850	In one lead to Chateauguay light.
		214							
F.		215	36	9	Wood; white	17	C.		
		216							
F.		217	45	6	Hexagonal; white	30	C.	1871	
		218							

ST. LAWRENCE RIVER—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
219	OTTAWA RIVER—Continued.	McTavish point		45 50 0	74 52 30	1	F.		219	35
220		Isle à Cadieux	On eastern point	45 26 25	74 0 50	1	F.		220	30
221		Wade shoal	Two miles above point du Chene.	45 25 0	75 37 0	1	F.		221	35
221a		Caron point	Two miles below St. Anne du Bout de Pisle.	45 20 0	74 5 0	2	F.		221a	
221b		St. Placide		45 20 0	74 10 0	2	F		221b	
221c		St. Anne du Bout de l'isle.		45 19 0	74 2 0	2	F.		221c	
222		Point aux Anglais	Near Carillon	45 13 0	74 15 0	1	F.		222	22
223	ST. FRANCIS LAKE.	Grosse point	On piers in river, off Grosse point.	45 15 30	74 9 30	2	F.		223	
224									224	
225			Upper entrance of Beauharnois canal.	45 15 35	74 9 25	2	F.		225	20
226									226	
227		Coteau du Lac	NE. corner Government pier	45 15 40	74 13 0	1	F. red.		227	29

ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	No.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		219	35	6	Hexagonal; white	30	C.	1871	The two incline sides facing the river are painted white; all the others are painted brown.
F.		220	30	8	Square; wood; white		C.	1875	Keeper's dwelling attached; serves as a guide to vessels navigating Ottawa river.
F.		221	35	8	Lantern on frame-work	25	C.	1870	Can be seen on approaching it in both directions.
F.		221			Round; square; wood; beacons.		C.	1874	
F.		221b			Brown; square; wood; beacons.		C.	1874	
F.		221			Brown; square; wood; beacons.		C.	1874	
F.		222	22	10	White; square; wood	27	C.	1873	River light.
F.		223		3	Square; wood; one red and one white.		C.	1850	
		224							
F.		225	20	8	Square; wood; one red and one white.	20	C.	(1845) (1850)	To be kept in one, when leaving the canal, until the upper lights come in one.
		226							
red.		227	29	10	Square; wood; white	28	C.	1877	Visible between the bearings of W.SW. ½ W. and E. ½ S., over an arc of 202½°.

ST. LAWRENCE RIVER—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
228	St. Francis Lake—Continued.	McKillop's point	S. shore	45 11 30	74 17 0	1	F.	
229		McGee's point	N. shore	45 12 25	74 19 10	1	F.	
230								
231		Cherry island	S. side of N. channel	45 9 10	74 22 30	1	F.	
232								
233		Cherry	Above island, on a pier in the river.	45 8 20	74 25 40	1	F.	
234								
235		Crib	N. side of channel, on a pier, 4 miles SW. from Lancaster village.	45 6 40	74 30 30	1	F.	
236								
237		Hamilton island	On S. side	45 4 30	74 32 30	1	F.	
238								
239		Glengarry	On Stone-house point	45 3 30	74 36 45	1	F.	
240								

ST. LAWRENCE RIVER—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	228	35	10	Square; wood; white	22	C.	1875	
	229	30	10	Square; wood; white	24	C.		Midway between Coteau and Cherry island.
	230							
	231	40	10	Square; wood; white	30	C.	1847	
	232							
	233		8	Square; wood; white		C.	1849	Opposite the light there is a beacon N. of the channel.
	234							
	235	20	8	Square; wood; white	20	C.	1844	
	236							
	237	42	10	Square; wood; white	27	C.	1873	
	238							
	239	42	10	Square; wood; white	27	C.	1873	
	240							

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Intervals of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
241	CORNWALL CANAL		45 1 15	74 55 25	1	F.	
242							
243	WINDMILL POINT	Near Prescott, 1¼ miles above Fort Wellington.	44 46 20	75 28 40	1	F.	
244							
245	COLE'S SHOAL	On pier, 5 miles W. of Brockville, ⅓ of a mile from N. shore.	44 34 10	75 45 40	1	F.	
246							
247	OGDENSBURG	Opposite Prescott			1	F.	
248							
249	GRENADIER ISLAND	SW. point of island, N. side of channel, 2 miles below Rockport.	44 24 30	75 54 10	1	F.	
250							
251	LYNDOCK ISLAND	NW. point of island, S. side of channel, 5 miles W. of Rockport.	44 22 30	76 0 10	1	F.	
252							

ST. LAWRENCE RIVER—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
231					C.	1865	
232							
233	32	15	Round; stone	62	C	1873	
234							
235	17	6	Square; wood; white	31	C.	1856	
236							
237	30	12					
238							
239	15	10	Square; wood; white	37	C	1856	These small lights are for the purpose of marking out the channel, through the Thousand Islands, between Brockville and Kingston.
240	10	7	Square; wood; white	26	C	1856	
241							
242							
243							

ST. LAWRENCE RIVER—Continued.

Number.	Name.	Location.	Latitude. N. ′ ″	Longitude. W. ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Height of light above water.	Distance visible in nautical miles.
253	GANANOQUE NARROWS	NE. end of Little Stave island, S. side of channel, 3 miles below Gananoque	44 20 50	76 4 10	1	F.		44	7
254									
255	JACK STRAW SHOAL	On a pier, N. side of channel, 3 miles below Gananoque.	44 21 0	76 6 30	1	F.		31	6
256									
257	SPECTACLE SHOAL	On a pier, N. side of channel, 2 miles W. of Gananoque.	44 20 15	76 10 40	1	F.		28	5
258									
259	RED HORSE ROCK	SE. side of channel, ½ a mile W. of No. 92.	44 19 30	76 11 20	1	F.		28	3
260									
261	BURNT ISLAND	SE. point of island, N. side of channel, ¾ of a mile from No. 93.	44 19 5	76 11 40	1	F.		64	10
262									
263	WOLFE ISLAND	On Quebec head	44 14 0	76 10 40	1	F.			6
264									
265		Brown's or Knapp's point, near Kingston.	44 14 0	76 22 30	1	F.		28	10
266									

ST. LAWRENCE RIVER—Continued.

Character of light.	Interval of revolution or flash.	Height of light above water.	Distance visible, in nautical miles.	Character of lighthouse or vessel.	Height of lower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		44	7	Square; wood; white	37	C.	1856	
F.		31	6	Square; wood; white	29	C.	1856	
F.		28	5	Square; wood; white	26	C.	1856	
F.		28	3	Square; wood; white	26	C.	1856	These small lights are for the purpose of marking out the channel, through the Thousand Islands, between Brockville and Kingston.
F.		64	10	Square; wood; white	26	C.	1856	
F.			6	Square; wood; white		C.	1856	
F.		28	10	Square; wood; white; iron lantern	20	C.	1874	

NEW BRUNSWICK.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
267	CAPE WHITEHEAD	Percé roadstead	48 30 30	64 13 5	1	F.	
268	CAPE DESPA[illegible]	On cape	48 25 40	64 18 20	1	Rev.	Every ½ minute.
269	CHALEUR BAY. Macquereau point	On point	48 12 30	64 46 12	1	Rev., red and white.	Every 2 minutes.
270							
271	Paspebiac point	Near extremity of point	48 0 50	65 14 20	1	F.	
272							
273	Carleton point		48 5 15	66 7 0	1	F.	
274	Dalhousie	Public wharf and Montgomery island.	48 4 40	66 22 30	2	F.	
275	Bonami point	S. side of entrance to Dalhousie harbor.	48 3 45	66 26 50	1	F.	
275a	Oak point	On point	48 2 40	66 36 30	2	F.	
275b	Campbelltown	Railway pier and Moffat's dart.	48 0 50	66 39 40	2	F.	
276	Heron island	[illegible]	48 0 0	66 8 0	1	F.	

Number.	Height of light above sea-level.	Distance visible in nau-
267	138	
268	90	
269	56	
270		
271	55	
272		
273	32	1
274	(24) (27)	
275	19	1
275a	(40) (45)	
275b	24	
276	66	1

NEW BRUNSWICK.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
267	138	13	Square; wood; white	20	C.	1874	
268	90	15	Square; wood; white and red.	18	C.	1874	
269	56	12	Square; white	27	C.	1874	
270							
271	55	13	Square; wood; white	54	C.	1870	
272							
273	32	11	Square; wood; white	28	C.	1872 alt'd 1880	Visible from all points seaward.
274	(24) (27)	------	Towers, square; wood; white.	22	C.	1879	Leading lights for entering Dalhousie harbor.
275	49	13	Square; white	33	C.	1871	
276	(40) (15)	------	Towers, square; wood; white.	22	C.	1879	Leading lights for crossing the Traverse.
277	24	----	Towers, square; wood; white.	22	C.	1879	Leading lights for entering harbor.
278	66	12	Square; wood; white	20	C.	1875	

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
276a	CHALEUR BAY—Continued.	Elm Tree point	Petit Rocher	47 48 39	65 43 13	1		F.	
277		Bathurst harbor	Alston's point	47 39 20	65 39 40	2	360 feet apart.	F. F. red.	
278									
279		Caraquet island	W. end of island, S. side of bay.	47 49 40	64 53 0	1		F.	
280									
281		Shippegan harbor	Alexander point, NE. side of entrance to gully.	47 43 30	64 39 25	1		F.	
282		Miscou island	Goose lake, on W. side of Miscou island	47 55 45	64 35 40	1		Rev.	Every 2 minutes; flash every minute.
283			Birch point	48 1 0	64 29 25	1		F. red.	
284	POKEMOUCHE		Gloucester county	47 40 —	64 46 —	1		F. green.	
285	TRACADIE GULLY		N. side of gully	47 30 0	64 52 0	2		F.	
286			South or front light, N. side of entrance, S. Tracadie gully.	47 31 10	64 52 0	2	N. and S., 500 feet apart.	F. F. red.	

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
276a	36	12	Square tower; wood; white.	31	----	1879	Visible between the bearings S SW. and N. by W., over an arc of 146° 15′.
277	{W. 27 / R. 31}	10	Hexagonal; white	--	C. -- -- ----	1871	These beacons kept in range lead into the harbor. The outer exhibits a WHITE, the inner a RED light.
278							
279	52	14	Square; white; on dwelling.	48	C.	1870	
280							
281	32	11	Square; wood; white	20	C.	1872 alt'd 1880	Visible from all points seaward. A small fixed WHITE light, elevated 22 feet above sea-level and visible 9 miles, is also shown; it bears SW. by W., distant 484 feet from the main light.
282	40	10	Square; wood; white; attached to keeper's dwelling.	28	C.	1875	
283	79	12	Octagonal; wood; white	74	C.	1856	During thick or foggy weather or snow storms a fog-whistle will be sounded, as follows: A blast of 5 seconds, with an interval of 25 seconds; then another blast of 5 seconds, with an interval of 25 seconds; should be heard in calm weather from 8 to 12 miles, and in stormy weather, or against the wind, from 3 to 6 miles.
284	35	8	Square; wood; white; keeper's dwelling attached.	37	C.	1876	Visible from all points of approach.
285	39	12	Square; wood; white	20	C.	{1872 / 1875}	Coast and harbor range lights.
286	{19 / 26}	8	Open frame; white / Square; red	{20 / 26}	C.	1877	Range lights for crossing the bar.

Interval of revolution or flash.

Every 2 minutes: flash every minute.

NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude. ° ′ ″ N.	Longitude. ° ′ ″ W.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
287	TABUSINTAC GULLY	On Crab island	47 18 53	64 59 30	1	F. red.	
288							
289	NEGUAC GULLY	N.E. side	47 17 47	65 3 20	2	F.	
290							
291	MIRAMICHI BAY. Portage island	South end	47 9 50	65 2 40	1	F.	
292							
293	Portage beach						
294							
295	Horse-shoe bar	Light-vessel, on inner Horse-shoe bar.	47 8 0	65 3 0	1	F. red.	
296							
297	Oak point	On point	47 7 40	65 15 10	2	N.E. by E. and S.W. by W., ½ mile apart.	F.
298							

NEW BRUNSWICK—Continued.

Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
287	30	7	Square; wood; white	20	C.	(1873 (1875	A coast light, and guide into harbor. Beacon light; ranging with red, marks channel, and as guide to small vessels entering gully.
288							
289	(30 (27	11	Square; wood; white	20	C.	(1873) (1875)	Coast and harbor range lights, and guide into Neguac gully.
290							
291	16	12	White	42	C.	1869	
292							
293							*Proposed.*
294							
295	35	8	Two masts		C.	1873	
296							
297	(10 E. (60 W.	10	Beacons; wood; white	36	C.	1870	To guide vessels through Swash channel.
298							

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.				
299	MIRAMICHI BAY—Continued.	Sheldrake island	South side	47 6 50	65 18 —	2	¼ mile apart.	F.	
300		Grant's beach		47 5 30	65 28 10	2	SW. and NE.	F.	
301		Bartiboque	Lower Newcastle, 1 mile W. of Malcolm point.	47 5 0	65 24 0	2	ESE. and W. NW.	F.	
302									
303		Malcolm point	On beacons			2		F.	
304		Middle island	North side	47 3 30	65 27 0			F.	
305		Fox island	NW. point	47 8 5	65 2 20	3	1st and 2d lights SE. ½ S. and NW. ½ N., 1,051 ft. apart. 1st & 3d lights SW. & NE., 954 ft. apart.	F.	
306									
307			East point	47 6 50	65 0 10	2	¼ mile apart.	F.	
308									
309		Huckleberry	On beacons	47 4 50	64 54 50	2	N. by W. ½ W and S. by E. ½ E.	F.	
310									

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
299	48	9	Beacons; white		C.	1873	
300	(120) (140)	10	Beacons		C.	1869	
301	(140) (120)	10	White	36	C.	1870	
302							
303							
304	45	7	Beacon; white		C.	1874	
305	(50) 46 (36)	8	On masts; shed at base of each; white.	(40) 38 (28)	Lanterns	1881	The 1st and 2d lights in line lead into Horse-shoe channel. The 1st and 3d in line lead through Portage Island channel. The 2d and 3d in line lead to the upper buoy of Horse-shoe shoal.
306							
307	30	10	Beacons; white	20	C.	1872	For guiding vessels through Swashway channel.
308							
309		10	White		C.	1870	At night keep the lights in line, and during the day keep outer buoy on with black band in center of roof of barn, to clear the bar.
310							

NEW BRUNSWICK—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
311	MIRAMICHI BAY—Continued. Preston's beach		47 4 50	64 55 0	2	F.	
312							
313	Escumenac point	On point	47 4 32	64 47 33	1	F.	
314	RICHIBUCTO HARBOR	South beach	46 42 45	64 46 10	2	W SW. ¼ W., E NE. ¼ E., 306 ft. apart.	F. F. red.
315	RICHIBUCTO	On head	46 39 40	64 42 30	1		F.
316	BUCTOUCHE HARBOR	Dixon's point, S. side of harbor.	46 27 40	64 38 50	2	NW. by W. and SE. by E., 1,050 ft. apart.	F.
317	CASSIES POINT	Northumberland strait	46 19 15	64 30 20	1		Rev.	Every 2 minutes, showing a flash every ½ minute
318	SHEDIAC	Shediac island beacons			2		F.
319		Chêne wharf	46 14 20	64 31 0	2		F.
320							
321	JOURIMAIN ISLAND	Extremity of cliff	46 10 0	63 48 30	1		Fl.	Every 10 seconds
322							

Number.	Height of light above sea-level.	Distance visible, in nau-
311	66 / 55	1
312		
313	70	1
314	40 / 44	1 / 1
315	70	1
316	36 / 41	11 / 12
317	40	1
318	48 / 56	1
319	15 / 25	
320		
321	72	1
322		

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
311	(66) (55)	10	White	(30) (28)	C.	1870	Beacons.
312							
313	70	14	Wood; white	58	D., 3d ord.	1841	A steam fog-whistle, situated 300 feet west of the light-house, sounds, in thick weather, fogs, and snow storms, 10 seconds each minute, with an interval of 50 seconds. In calm weather, or with the wind, it is heard from 9 to 11 miles; in stormy weather, or against the wind, from 3 to 6 miles.
314	(40 (44	12 12	Square tower; wood; white. Open-frame square tower; white.	33 43	C.	1879	Lights in line lead through channel over the bar. Front building has keeper's dwelling attached.
315	70	14	Square; wood; white	50	D., 4th ord.	1864	
316	(36 (41	11 12	Square; wood; white	(30) (34)	C.	1881	To guide vessels into Buctouche harbor.
317	40	14	Square; wood; white	27	C.	1872	To guide vessels into Shediac harbor.
318	(18) (56)	10	White		C.	1869	
319	(15) (25)	6	Lantern on a pole		C.	1875	
320							
321	72	14	Octagonal; white	40	C.	1870	White dwelling 50 feet westward of light-house. Visible between the bearings SE. and W., over an arc of 225°.
322							

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.				
323	Bay of Fundy.	Petit Codiac	On wharf at Hillsborough	45 55 15	64 37 45	1		F.	
324		Grindstone	W. part of island	45 43 13	64 37 25	1		F.	
325									
326		Cape Enragé	Pitch of cape	45 35 34	64 46 55	1		F.	
327									
328		Quaco	Small rock, off head	45 19 20	65 31 55				
329									
330		Cape Spencer	On cape	45 12 30	65 54 0	1		Rev., red and white.	Every 3 minutes red 45 seconds; eclipse 45 sec's; white 45 sec's, eclipse 45 sec's.
331									
332		St. John harbor	Partridge island	45 14 20	66 3 20	1		F.	
333			Negro point, end of breakwater.	45 14 25	66 4 0	1		F. red.	
334			Beacon tower, S. extreme of spit.	45 15 10	66 3 40	1		F.	

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of lighthouse or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Interval of revolution or flash.
323	14	4 to 5		22	C.	1875	Beacon-light, to guide vessels into Hillsborough.	
324	60	12	Octagonal; wood; white		C.	1859	Visible between the bearings NE. by E. and E. by S., illuminating an arc of 315°. Cape Enragé light-house SW. by W. ¼ W., *about* 10 miles. In fogs, &c., a trumpet sounds four blasts every minute.	
325								
326	120	15	Square; white	23	D., 4th ord.	1840	Visible between the bearings NW. and NE., illuminating an arc of 270°. During thick weather, fogs, and snow storms a steam fog-whistle is sounded for 8 seconds in each minute, with intervals of 52 seconds between the blasts. The whistle should be heard in calm weather, or with the wind, at a distance of 10 miles; in stormy weather, or against the wind, from 3 to 5 miles, according to the state of the atmosphere.	
327								
328							*Destroyed by fire, June, 1881.*	
329								
330	207	20	Square; white	35	C.	1873	Visible between the bearings E SE. and W NW.	Every 3 minutes red 45 seconds eclipse 45 sec's white 45 sec's eclipse 45 sec's.
331								
332	119	20	Octagonal; vertical red and white stripes.	40	C.	1791	During foggy weather a steam-whistle is sounded every minute for 10 seconds. A bell-buoy is established near the E. side of Partridge reef.	
333	36	8	Open frame building; white, with red lantern.	35	C.	1878		
334	35	10	Octagonal; vertical red and white stripes.	15	D., 4th ord.	1838 rel'td 1868	Leading light for the spit.	

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
335	BAY OF FUNDY—Continued.	Musquash harbor	Entrance, east side	45 8 35	66 14 30	1		F., with green sector.	
336		Lepreau	On point	45 3 31	66 27 39	2	Vertical; 9 yds. apart.	F.	
337		Beaver harbor	On Drew's point	45 3 45	66 44 —	1		F.	
338		Bliss Island	W. point of island	45 1 15	66 51 0	1		F. red.	
339		L'Etang harbor	East side of entrance, on Pea Island.	45 2 20	66 48 40	1		F. green.	
340		Campobello Island	Head harbor, N. point	44 57 40	66 54 10	1		F.	
341		Midjic bluff	On bluff	45 6 53	66 54 30	1		F.	
341a		Spruce point				1		F.	
341b		Mark's point				1		F.	

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
35	112	10	Square; wood; white; keeper's dwelling attached.	40	C.	1870	Shows GREEN seaward, WHITE over the harbor. An automatic whistling buoy lies in 34 fathoms water S. ¼ W., 2 miles off Split rock
36	(81) (31)	15	Octagonal; horizontal red and white stripes.	31	C.	1831	Visible from southward between the bearings W.NW. and E. by N. During fogs and snow storms a steam-whistle is sounded in blasts of 5 seconds' duration, with intervals of 5 seconds and 45 seconds alternately. May be heard from 4 to 20 miles, according to the weather.
37	45	10	Square; wood; white; keeper's dwelling attached	36	C.	1870	Visible between the bearings NE. ¼ N. and NW. ¼ N., through an arc of 76
38	45	12	Square; wood; white	30	C.	1871	
39	51	10	Square; wood; white	31	C.	1878	Visible between the bearings W. and S. over N. and E., or over an arc of 270°. Fog-trumpet on Mascabin point Letite passage. During thick weather, fogs, and snow storms the trumpet will sound blasts of 7 seconds' duration, with intervals of 30 seconds between them. It will probably be heard 2 or 3 miles against, and 6 to 7 with the wind
40	64	15	Octagonal; white, with red cross.	34	C.	1829	Fog-trumpet which, during thick weather, fogs, or snow storms, will sound blasts of 8 seconds' duration, with intervals of 35 seconds between them.
41	130	12	Square; wood; white; lantern hexagonal, brown.	29	C.	1876	A bar extends E.NE. from light-house. Vessels must keep off 260 yards to clear it at low water.
41a	32	------	Open frame-work; brown; lantern white.	28	C.	1876	Beacon lights. The course from Spruce point to Ballast ground is ESE. ¼ E. 2 miles; Spruce point to Mark's point W.NW. 2 miles. A vessel, after leaving Doucet island, to clear the reef should steer N. until Spruce Point beacon bears NW. by N., thence W.NW.
41b	32	------	Open frame-work; brown; lantern white	28	C.	1876	

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
342	Bay of Fundy—Continued.	Port St. Andrew	N. point of entrance	45 4 10	67 2 50	1	F.	
342a								
343			On sand reef at east entrance.	45 3 45	67 0 50	1	SE. by E. of old light, 1½ miles dist'nt.	
344		Southwestern Wolf island.	SE. point of island	44 56 30	66 44 10	1	Rev.	Every 1½ minutes
345								
346			Swallow Tail, NE. part of island.	44 45 52	66 44 0	1	F.	
347		Grand Manan island.	Fish Fluke point, E. side of Grand harbor.	44 40 2	66 45 30	1	F.	
347a			Gull cliff, SW. head	44 36 0	66 54 16	1	Rev., red and white.	Every 2 minutes 3 red flashes and 3 white flashes with intervals of eclipse of 20 seconds after each flash.
348		Gannet rock	On the rock	44 30 38	66 47 1	1	F. & Fl.	Every minute fixed 45 seconds eclipse 5½ sec's flash 4½ seconds eclipse 5½ sec's
349		Machias island	Eastern light	44 30 7	67 6 13	2	SE. and NW., 64 yds. apart.	F.
350								

NEW BRUNSWICK—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Character of light.	Interval of revolution or flash.
312	42	10	Octagonal; white	22	C.	1833	Visible between the bearings NW. by N. and SE. by S.	F.	
312a									
313	40	10	Square; wood; white; keeper's dwelling attached; erected on frame piers 10 feet above high water.	10	C.	1875	As a guide to all ports in the bay and river St. Croix from Little Passage to Quoddy Head.	F.	
314	111	17 to 20	Square; wood; white; on keeper's dwelling.	35	C.	1871		Rev.	Every 1½ minutes
315									
316	148	17	Octagonal; wood; white.	50	C.	1860	Visible between the bearings SW. and NW., illuminating an arc of 90°. On extreme of NW. head a whistle, elevated 80 feet above high water, will, in thick or foggy weather or snow storms, be sounded three times every minute; each blast will be of 4 seconds' duration, with an interval of 16 seconds between.	F.	
317	40	11	Square; wood; white; keeper's dwelling attached.	32	C.	1879	Visible from all points seaward.	F.	
317a	200	24	Square; wood; white; dwelling attached.	13	C.	1880		Rev., red and white.	Every 2 minutes 3 red flashes and 3 white flashes with intervals of eclipse of 20 seconds after each flash.
318	66	12	Octagonal; vertical black and white stripes.	41	D., 4th ord.	1831	During fogs a gun is fired to answer signals. Dangerous rocks extend 4 miles eastward of the light-house.	F. & Fl.	Every minute fixed 45 seconds eclipse 5¼ sec's flash 4½ seconds eclipse 5¼ sec's
319	(E. 66 W. 54	14	Octagonal; wood; white.	E. 53 W. 30	D., 3d ord. D., 2d ord.	1870 1832)	During thick weather or snow storms a fog-whistle will be sounded twice every minute, each blast of 5 seconds' duration, with an interval of 25 seconds between the blasts. The whistle will probably be heard from a distance of about 3 miles in stormy and about 10 miles in calm weather. Lights in line lead 4¼ miles south of Murr ledges.	F.	
319a									

NEW BRUNSWICK—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
351	St. John's River.	Wilmot's bluff		45 56 0	66 30 0	1	F.		351	104
351a	St. John's River.	Oromocto shoal		45 53 0	66 27 0	1	F.		351a	54
351b	St. John's River.	No Man's Friend		45 47 0	66 7 30	1	F.		351b	55
351c	St. John's River.	Oak point		45 32 0	66 6 0	1	F.		351c	50
351d	St. John's River.	Sand point		45 22 0	66 11 0	1	F.		351d	50
351e	St. John's River.	Green head		45 18 0	66 7 20	1	F.		351e	105
351f	Grand Lake.	Cox's point		46 2 0	66 1 0	1	F.		351f	20
352	Grand Lake.	Robertson's point	On point	45 53 0	66 13 0	1	F.		352	16
353	Grand Lake.	McManus		46 4 —	66 2 —	1	F.		353	28
354		Fanjoy's point	On point	45 55 10	66 1 0	1	F.		354	16

NEW BRUNSWICK—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		551	104	10	White		C.	1869	
F.		551a	54	10	White		C.	1869	
F.		551b	55	10	White		C.	1869	
F.		551c	50	10	White		C.	1869	
F.		551d	50	10	White		C.	1869	
F.		551e	105	10	White		C.	1869	
F.		551f	29	10	White		C.	1869	
F.		552	16	10	Square; wood; white	16	C.	1873	
F.		553	28	10	Wood; white	26	C.	1876	For purposes of general navigation in Grand lake.
F.		554	16	10	Square; wood; white	16	C.	1873	

PRINCE EDWARD ISLAND.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
356	North point	On point	47 3 46	63 59 19	1	Rev.	Every minute
357	Tignish river	Inner end of north breakwater pier.	46 57 35	63 59 20	1	F.	
358	Cascumpeque, N. side	Sandy island	46 18 22	64 2 15	1	F.	
358a	Little channel		46 10 0	63 53 0	2	F.	
359	West point		46 37 30	64 23 10	1	Rev., red and white.	Every 15 seconds.
360	Richmond harbor	Bill Hook or Fishery island, N. side of entrance.	46 34 44	63 42 29	1	F.	
360a	St. Peter's	In harbor	46 32 0	62 34 0	2	F.	
361	New London	Grenville bay	46 31 20	63 28 25	2	F.	
361a	Rustico	Big harbor	46 27 40	63 16 50	2	F.	
362	East point	200 yards in-shore from S. part of point.	46 27 9	61 58 15	1	Rev.	Greatest brilliancy every minutes.
362a	Knight's point	On point, about 100 yards SE. of Souris E. breakwater.	46 20 50	62 14 30	1	F.	

PRINCE EDWARD ISLAND.

Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	356	80	12	White	60	C.	1866	
	357	45	11	Square; white; black horizontal band around middle.	33	C.	1881	
	358	82	12	Octagonal; wood; white	25	C.	1856	
	358a	22	9	White		C.	1872	Range beacons.
Every 15 seconds	359	66	13	Square; wood; red and white horizontal bands; keeper's dwelling attached.	67	C.	1876	Visible from all points of approach from seaward. Shows *one* RED and *three* WHITE flashes in 1½ minutes.
	360	40	10	Square; white	36	C.	1856	
	360a	20	6	Red beacon	26	D., 1st ord.	1868	
	361							
	361a							
Greatest brilliancy every minutes.	362	130	17	Octagonal; wood; white	60	C.	1867	
	362a	85	15	Square; white	15	D., 4th ord.	1880	

PRINCE EDWARD ISLAND—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
363	CRAPAUD		46 13 0	64 8 0	1	F.	
364	CARDIGAN BAY	Panmure head, Georgetown harbor, S. entrance.	46 8 47	62 27 40	1	F.	
365							
366	GEORGETOWN	St. Andrew point	46 9 57	62 31 23	1	F.	
367	MURRAY HARBOR	One on a post, the other on the gable of a barn; a mile apart.	46 0 0	62 26 0	2	F.	
367a	WOOD ISLAND	On island	45 57 —	62 44 30	1	F	
367b	LITTLE SANDS		45 57 53	62 39 0	1	F. red.	
368	HILLSBOROUGH BAY	Prim point, 100 yards from the point, SE. part of bay.	46 3 10	63 2 6	1	F.	
369	HILLSBOROUGH BAY	Western point of St. Peter's Island.	46 7 10	63 11 40	1	F.	
370	CHARLOTTE TOWN HARBOR.	Blockhouse point, W. side of entrance.	46 11 36	63 7 28	2	F. F. red.	
371	TRACADIE	Tracadie harbor	46 13 0	63 10 0	2	F.	

PRINCE EDWARD ISLAND—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
363	34	3	Post	32	C.		
364	89	14	Octagonal; wood; white	49	C.	1853	The light should be kept open of Terras point to clear reef off Bear cape.
365							
366	36	8	Red and white vertical stripes.	20	Lantern	1868	
367	(50) (45)	5					
367a	80	15	Square; wood	40	D., 4th ord.	1876	
367b	50	5	Window in the gable of a house	20	C.	1877	
368	68	12	Circular; brick; white	55	C.	1845	
369	46	12	Square; wood; white	38	C.	1881	
370	56	12	Square; wood; white; keeper's dwelling and signal-staff attached.	42	C.	1876	Visible from all points of approach from seaward. The RED light in same building, when in line with main light, leads to the bell-buoy.
371	40	12	Posts				

PRINCE EDWARD ISLAND—Continued.

Number.	Name.		Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
372	BEDEQUE BAY.	Saluttation or Seacow head.	On head	46 19 0	63 48 30	1	F.	
373		Summerside harbor.	Indian Point flats, S. side of entrance.	46 22 40	63 48 50	1	F., with red sector.	
374			Green's wharf, N. side of harbor.	46 23 32	63 47 30	1	F.	
375								

NOVA SCOTIA.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
376	PUGWASH HARBOR	Seaman's point, E. side of entrance.	45 52 30	63 40 30	1	F., with red sector.	
377							
378	WALLACE HARBOR	Mullin's point.	45 49 45	63 25 16	1	F.	
379							
380	AMET ISLAND	Center of island, Northumberland strait.	45 50 15	63 10 0	1	F.	
381							
382	CARIBOU ISLAND	NE. part	45 46 0	62 40 20	1	Rev.	Every minute.
383							

PRINCE EDWARD ISLAND—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
372	88	15		60		1864	
373	48	13	Octagonal; on dwelling; white.	42	C	1881	RED between the bearings N NE. ¼ E. and NE. ¼ E., and WHITE from all other points seaward.
374	15	7	On a pole		Lantern	1856	
375							

NOVA SCOTIA.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
376	48	8	Square; wood; white	44	C	1871	Shows RED seaward and WHITE toward the harbor.
377							
378	39	11	Square; wood; white	25	C	1873	
379							
380	44	12	Square; wood; white	32	C	1866	Visible around horizon.
381							
382	35	10	Square; white	26	C	1868	
383							

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			N. ° ′ ″	W. ° ′ ″			
384	Pictou harbor	S. point of entrance	45 41 25	62 [illegible] 26	2 Vertical; 25 feet apart.	F. F. red.	
385		New custom-house	45 40 50	62 42 10	1	F.	
386	Pictou island	SE. point	45 49 10	62 30 29	1	F.	
387							
388	Cape St. George	N. side of cape	45 52 35	61 54 10	1	Rev.	Every ½ minute
389							
390	Pomquet, St. George bay	NE. end of island	45 39 40	61 44 30	1	F. red.	
391	Havre Bouche	SW. part of harbor	45 41 0	61 31 15	2 N. 57° E. and S. 57° W., 1,420 feet apart.	F. F. red.	
392		N. entrance, W. side, 120 yards in-shore.	45 41 42	61 28 58	1	F.	
393							
394	Gut of Canso	Ship harbor, Stapleton point	45 36 40	61 22 0	1	F. red.	
395							
396		S. entrance, Eddy or Sand point.	45 31 29	61 14 42	2 Horizontal; 8 yards apart.	F.	
397							

NOVA SCOTIA—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of lighthouse or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
----------	384	(65) (40)	11	Octagonal; wood; red and white vertical stripes.	55	C.	1834	A small RED light is seen below lantern; kept W SW. clear the E. reefs off Pictou island.
----------	385	60	8	Tower of new custom-house.	------	C.	1878	In range with harbor light leads up through the channel to the bar.
----------	386	52	12	Square; white	------	C.	1853	Pictou Island light is said not to be seen when bearing southward of SW.
	387							
Every 4 minute	388	350	25	Square; white	39	D., 2d ord.	1861	Cape St. George light is said not to be seen when bearing eastward of SE.
	389							
----------	390	50	9	Square; white	23	C.	1868	Visible between the bearings of E. and N., illuminating an arc of 270°.
----------	391	(369) (107)	9	Tower, wood; square; white.	32	C.	1879	In line lead through new channel into harbor.
----------	392	110	18	Square; wood; white	35	C.	1842	There is good anchorage under the light with the wind offshore.
	393							
	394	44	7	Square; white	24	C.	1870	Visible from N. entrance of Gut of Canso, and from S. about 3 miles.
----------	395	25 each.	8	Square; wood; white, with a black diamond.	------	C.	1851	Lights in windows at each end of building.
	396							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Solution.
398	CAPE BRETON ISLAND.	Port Hood	S. entrance of harbor	46 0 0	61 31 40	1	F., with red sector.	
399								
400		Sea Wolf or Margaree island.	Summit or middle of island	46 21 30	61 15 33	1	F.	
401								
402		Chetican island	SW. end of island	46 36 32	61 3 10	1	Rev.	Every 15 seconds
403		Money point	One mile SE. from cape North.	47 2 10	60 23 30	1	Rev., red and white.	Every 45 seconds
404		Ingonish island	On island	46 41 20	60 20 0	1	F.	
405								
406		Bird island	Ciboux island, ¼ of a mile from N. end.	46 23 10	60 22 30	1	Rev. red.	Every minute
407								
408		St. Anne	N. side of Beach point	46 17 30	60 32 15	1	F.	
409								

Number.	Height of light above sea-level.	Distance visible in nautical miles.
398	54	10
399		
400	238	21
401		
402	149	20
403	74	15
404	237	15
405		
406	77	14
407		
408	24	8
409		

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
98	54	10	Square; white		C.	1854	Shows RED on N. side, WHITE on S. side.
99							
100	298	21	Square; white		C.	1854	To vessels in dangerous proximity to the island the [illegible] become obscured by the abrupt cliffs on the [illegible] island.
101							
102	149	20	Square; wood; white, with black ball on seaward side.	24	C.	1872	
103	74	15	Square; wood; white; surmounted by a tower.	26	C.	1875	
104	237	15	Square; wood; white	40	D., 5th ord.	1871	
105							
106	77	14	Octagonal; white	33	C.	1863	
107							
108	24	8	White	30	C.	1871	Two lamps; one facing SW., the other NE. To show entrance to Narrows.
109							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
410	CAPE BRETON ISLAND—Continued	Black Rock point	S. side of entrance to Great Bras d'Or.	46 18 30	60 23 30	1	F.	
411								
412			M'Kenzie's point, about 2 miles SW. of Port Bevis.	46 7 18	60 39 —	1	F.	
413			Kidston island, Baddeck harbor.	46 5 58	60 44 20	1	F. red.	
414		Little Bras d'Or lake.	Uniacke point, Barra strait.	45 58 —	60 48 —	1	F.	
415			Cape George, St. Peter's inlet.	45 44 28	60 48 20	1	F.	
415a			Eastern entrance to Little narrows.	46 0 0	60 58 25	1	F.	
416		Aconi point	High cape, N. side of entrance to Little Bras d'Or.	46 20 30	60 17 10	1	F. red.	
417								
418			W. end of South bar	46 12 40	60 12 40	1	F. red.	
419		Sydney						
420			Flat point, E. side of Spanish bay.	46 16 12	60 7 22	1	F.	
421								

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	110	15	10	Square; white	23	C.	1868	
	111							
	112	95	11	Square; wood; white		C.	1874	
	113	31	7	Square; wood; white		C.	1875	For the purpose of guiding vessels to Baddeck harbor.
	114	20	10	Square; wood; white	20	C.	1874	
	115	40	12	Square; wood; white	20	C.	1875	
	116	40	10	Tower; square; wood; white.	35	C.	1881	
	117	21	11	Square; wood; white	20	C.	1874	
	118							
	119	40	10	Square; wood; white	20	C.	1872	Shows entrance to port and marks dangers on the bar.
	120							
	121	50	11	Octagonal; red and white vertical stripes.	51	C.	1852	
	122							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
422	CAPE BRETON ISLAND—Continued.	Lingan head	Bridgeport harbor	46 14 12	60 2 20	1	F. red.	
423								
424		Flint island	On island	46 11 5	59 45 50	1	Rev.	Every 15 seconds.
425								
426			N.E. point, on Trap rock	46 2 13	59 40 18	1	Rev.	Every 90 seconds, eclipse 30 secs.
427		Scatari island						
428			W. end	46 0 30	59 47 30	1	F. red.	
429								
430		Louisburg harbor	N. side of entrance, 120 yds. from point.	45 54 34	59 57 15	1	F.	
431		Guyon island	On island, about 230 yards from the west end.	45 46 10	60 6 20	1	Rev. red	Every 30 seconds.
431a		St. Esprit island	Near east end	45 37 30	60 29 20	1	Rev.	Every 30 seconds.
432		Green island	Summit of island	45 28 51	60 53 40	1	Alt.	Every [illegible]
433								

Number.	Height of light above sea-level.	Distance visible in nautical miles.
422	50	1
423		
424	65	1
425		
426	90	1
427		
428	90	[illegible]
429		
430	85	16
431	74	12
431a	78	14
432	70	14
433		

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
422	50	10	Square; wood; white; attached to keeper's dwelling.	20	C.	1874	
423							
424	65	12	Octagonal; white	13	C.	1856	
425							
426	90	15	Octagonal; white	70	C.	1839	The light should never be brought to bear to eastward of N. NE. or to southward of S SW., nor approached nearer than 1½ miles. A gun is here for signals, also a boat to render assistance.
427							
428	90	9	Square; wood; white	40	C.	1871	
429							
430	85	16	White, with a black vertical stripe; on keeper's dwelling.	35	C	1842	
431	74	12	Square; wood; white; keeper's dwelling attached	51	C.	1877	
432	78	14	Square tower; wood, white, with two red bands. Keeper's dwelling attached	55	C	1880	
433	70	14	Square; wood; white	31	C.	1865	
434							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
434	CAPE BRETON ISLAND—Continued.	Cape La Ronde	E. point of Madame Island	45 34 45	60 53 —	1	F.	
435								
436		Ouetique island	S. point	45 36 42	60 57 15	1	F. red.	
437		Petitdegrat inlet	Big Arrow island	45 29 25	60 57 46	1	F. red.	
438		Arichat harbor	Marache point, S. of entrance.	45 29 0	61 1 50	1	F.	
439								
440		West Arichat harbor	N. end of Jerseyman's island.	45 30 20	61 3 4	1	F. red.	
441								
442		Creighton's head	N. extremity	45 30 40	61 6 —	1	Rev.	Every 40 seconds.
443								
444		GUYSBOROUGH HARBOR	W. side of entrance, near Peart point.	45 22 47	61 29 11	1	F.	
445								

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	434	92	14	Square; wood; white; attached to keeper's dwelling.	28	C.	1874	
	435							
	436	78	9	Square; wood; white; attached to keeper's dwelling.	28	C.	1874	
	437	38	10	Square; wood; white; keeper's dwelling attached.	31	C.	1877	To guide vessels into the harbor of Petitdegrat inlet.
	438	34	8	Square; wood, white	25	C.	1851	
	439							
	440	[illegible]	11	Square; wood; white	28	C.	1872	
	441							
Every 10 seconds.	[illegible]	[illegible]	10	Square; wood; white	20	C.	1874	
	[illegible]							
	444	[illegible]	[illegible]	Square; wood; white	40	C.	1846	
	445							

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			N. ° ′ ″	W. ° ′ ″			
446	CANSO HARBOR	NE. part of Hart's island	45 21 0	60 58 31	1	F. red.	
447							
448	CAPE CANSO	N. point of Cranberry island.	45 19 49	60 55 29	2 In one tower, vertical: 12 yards apart.	F.	
449							
450	SABLE ISLAND	On W. end of island	43 57 —	60 8 —	1	Rev.	Every 3 minutes: with 3 distinct flashes at intervals of half a minute, and an eclipse of 1½ minutes, during the revolution.
451							
452		On E. end, 1¼ miles from extreme point.	43 58 30	59 46 0	1	F.	
453	THREE TOP ISLAND	Southeast point	45 12 40	61 9 30	1	F.	
454	WHITEHEAD ISLAND	SW. extremity	45 11 58	61 8 2	1	Rev.	Every 20 seconds: flash 10 seconds eclipse 10 sec's
455	HOLLY POINT	W. side of entrance to Isaac's harbor.	45 10 15	61 39 0	2 Upper light 20 ft. above lower one.	F.	

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	146	42	12	Square; wood; white	28	C.	1872	
	147							
	148	75 40	15 9	Octagonal; wood; red and white horizontal stripes.	60	C.	1815	During thick weather, fogs, and snow storms a steam fog-whistle, situated about 100 yards south of the light-house, will be sounded 8 seconds in each minute, thus making an interval of 52 seconds between the blasts. The whistle has been heard at the following distances: in calm weather, over 15 miles; with the wind, about 20 miles; stormy weather and against the wind, 5 to 8 miles. An automatic whistling buoy is placed in 20 fathoms of water, E SE., 1½ miles from Grime rock.
	149							
Every 3 minutes; with 3 distinct flashes at intervals of half a minute, and an eclipse of 1½ minutes, during the revolution.	150	123	18	Octagonal; wood; white	98	C.	1873	
	151							
	152	128	18	Octagonal; wood; painted alternately white and dark brown.	86	D., 2d ord.	1873	
	153	48	11	Square; wood; white; keeper's dwelling attached.	32	C.	1879	Obscured by the high land of Whitehead island and when bearing to the eastward of NE. by E., which bearing leads clear of the dangers on the north side of the western passage into Whitehaven.
Every 20 seconds: flash 10 seconds, eclipse 10 sec's.	154	55	11	Pyramidal; white; octagonal lantern.	35	C.	1854	Light not totally obscured during the eclipses.
	155	80	9	Square; wood; white	20	C.	1874	

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
456	GREEN ISLAND	On S. point of island	45 6 18	61 32 31	1	F.	
457	BERRY HEAD	Eastern point	45 11 37	61 18 35	1	F. red and white sectors.	
458	LISCOMB ISLAND	On Cranberry point	44 59 20	61 57 51	1	Rev., red and white.	Every 2 minutes; alternate red and white flashes.
459	WEDGE ISLAND	On center of island	45 0 35	61 52 35	1	Rev. red.	Every 3 minutes; duration of flash 1 minute.
460	BEAVER ISLANDS	SE. part of E. Beaver or William island.	44 49 34	62 20 13	1	Rev.	Every 2 minutes.
460a	SHEET HARBOR	On Sheet rock	44 49 55	62 29 40	1	Rev. red.	Every 40 seconds.
461	POPE'S HARBOR	West point of Harbor island	44 47 40	62 38 49	1	F. red.	
462	EGG ISLAND	Center of island	44 39 51	62 51 32	1	Rev., red and white.	Every minute; alternate red and white flashes.
463							
464	HALIFAX	Devil island, SW. part, E. entrance to harbor.	44 34 48	63 27 15	2	E. ¾ N. and W. ¼ S., 524 feet apart	F.
465		George's island	44 38 30	63 33 20	2	Upper light 20 ft. above lower one.	F.

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	156	51	15	Square; wood; white	28	C.	1873	Guide to Country and Fisherman's harbors, and a coast light
	157	71	10	Square; wood; black, with vertical red stripes; lantern top black.	36	C.	1876	Shows RED to seaward and WHITE to northward.
Every 2 minutes; alternate red and white flashes.	158	64	15	Square; wood; white; roof of dwelling red.	28	C.	1872	
Every 3 minutes, duration of flash 1 minute.	159	71	12	Tower, square; wood; white; keeper's dwelling attached.	44	C.	1879	Illuminates entire horizon.
Every 2 minutes.	160	70	12	White, with two black balls seaward, S SW, on house.	35	C.	1846	
Every 40 seconds.	160*a*	75	10	Square; wood; white; keeper's dwelling attached.	41	C.	1879	Western extremity of rock awash and about 350 yards from light-house.
	161	45	9	Square; wood; white; keeper's dwelling attached.	37	C.	1877	
Every minute, alternate red and white flashes.	162	80	14	Octagonal; wood; black and white vertical stripes on seaward side.	45	C.	1865	Illuminates entire horizon.
	163							
	164	(52 (59	13 each.)	Octagonal; wood; white	(— (53)	C.	1852 alt'd 1877	The *eastern* light open of the *western* leads clear to the southward of Thrum Cap shoal, and George's island light open to the westward of Manger beach light leads clear to the westward of Thrum Cap shoal.
	165	(50) (30)	12	Square; wood; drab; lantern black.	21	C.	1876	Lights show seaward on the south and into the harbor on the north side. Obscured to the eastward by the high land of the island. Care should be taken not to confound these lights, *which are vertical and near the water*, with two lights of inferior power suspended from a yard on a flag-staff of Citadel hill, about 240 feet above the level of the sea. On the west side of the island only the upper light can be seen, for the purpose of guiding vessels into and out of Halifax by channel west of George's island.

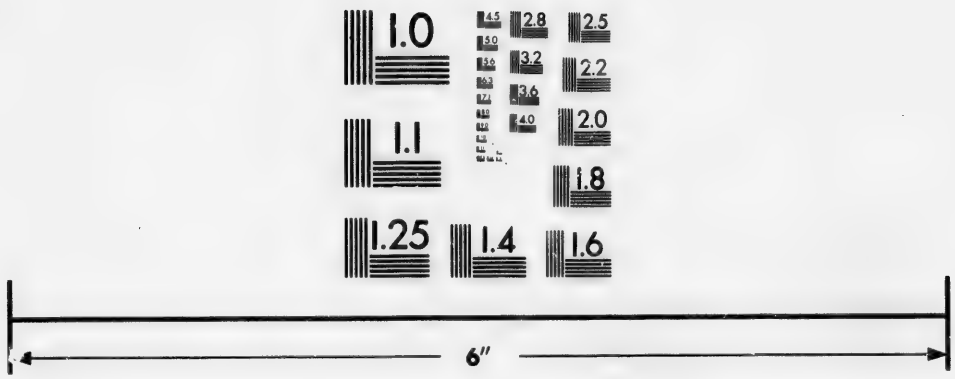
NOVA SCOTIA—Continued.

Number.	Name.	Location	Latitude.	Longitude.	Number of lights and relative position.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
466	HALIFAX—Continued	Sherbrooke tower, Manger beach, E. side of entrance.	44 36 6	63 31 55	1	F.	.....
467							
468		Chebucto head, W. side of entrance.	44 30 21	63 30 49	1	Rev.	Every 2 minutes; a flash every minute
469							
470	SAMBRO	Center of island	44 26 11	63 33 30	1	F.	.....
471	BETTY ISLAND	On Brig point, near Prospect.	44 26 22	63 45 54	1	Rev. red.	Every 2 minutes
472	PEGGY'S POINT	E. side of entrance to St. Margaret's bay.	44 29 30	63 55 0	1	F. red.	.....
473							
474	GREEN ISLAND	South point	44 23 0	64 2 45	1	Rev., red and white.	Every minute and a half; alternate red and white flashes.
475							
476	CHESTER OF MAHONE BAY.	East Ironbound island, SE. part, 200 feet from the cliff.	44 26 15	64 4 30	1	F	.....
477							
478		On Hobson's Nose	44 24 56	64 13 46	1	F. red.	.....

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
.....	166	58	12	Circular; white; roof red	48	C	1815	When Sambro light bears W SW. this light should not be brought to the westward of N., which clears the Thrum Cap shoal. During thick or foggy weather a fog-bell is sounded 7 times a minute.
	167							
Every 2 minutes; a flash every minute.	168	132	18	Square; wood; white	22	C	1872	An automatic signal buoy, surmounted by a 10-inch whistle, has been placed in 21 fathoms of water at the entrance to the harbor. Passing to the westward of the buoy at a distance of 100 yards and steering N. ¼ W., will lead up the harbor to the eastward of Never fail shoal, and at a distance of 400 yards to the westward of Mauger beach light-house.
	169							
.....	170	115	20	Octagonal; white	60	C	1758	During thick or foggy weather a steam fog-whistle is sounded, giving blasts of 10 seconds' duration every minute. Eight miles from Sambro is moored an automatic signal buoy, painted black. Sambro [illegible] W. ¼ N. from it.
Every 2 minutes	171	75	14	Square; wood; white; two red bands; attached to keeper's dwelling.	.....	C	1875	
.....	172	65	14	Square; white	26	C	1868	
	173							
Every minute and a half; alternate red and white flashes.	174	59	15	Square; wood; white	28	C	1873	
	175							
.....	176	150	16	Square; wood; white	46	D	1866 and 1871	
	177							
.....	178	68	11	Square; wood; white	29	C	1872	

IMAGE EVALUATION
TEST TARGET (MT-3)



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NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
479							
480	MALAGUASH OR LUNENBURG BAY.	Cross island, E. point	44 18 43	64 9 57	2	Vertical; 15 yards apart.	Upper Fl. Lower F.	Every minute; eclipse 15 sec's.
481							
482		Battery point	44 21 41	64 17 36	1		F.	
483							
484	WEST IRONBOUND ISLAND	S. side of island; mouth of La Have river.	44 13 43	64 16 19	1		Rev.	Every 30 seconds.
485	LA HAVE	Fort point	44 17 20	64 21 0	1		F. red.	
486	MOSHER ISLAND	On island, SE. part, W. side of entrance.	44 14 15	64 18 50	1		F. red.	
487							
488	PORT METWAY	Metway head, W. side of entrance.	44 6 10	64 32 14	1		F.	
489							

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
179							
180	100 65	14 6	Octagonal base; red	53	C.	1832	Pilots resort here; vessels might take refuge in case of necessity. During thick and foggy weather a horn will be sounded, giving blasts of 10 seconds' duration every 1¼ minutes, leaving an interval of 80 seconds between blasts.
181							
182	50	11	Square; white; on keeper's dwelling.	24	C.	1864	
183							
184	72	13	Square; white	29	C.	1855	Near the edge of a cliff 40 feet high.
185	48	8	Square; wood; white; keeper's dwelling attached.	35	C.	1877	
186	55	8	Square; white	26	C.	1868	
187							
188	44	10	Square; white; with black square seaward.	23	C.	1851	Like a dwelling-house.
189							

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
490	LIVERPOOL BAY	Coffin island, S. point	44 1 58	64 37 34	1	Rev.	Every 2 minutes; eclipse 90 sec's.
491		Extremity of breakwater pier, Brooklyn.	44 2 40	64 41 30	1	F., white and green.	
492		Fort point, S. entrance	44 2 30	64 42 20	1	F. red.	
493							
494	PORT MOUTON	NE. point of Spectacle island.	43 55 3	64 48 8	1	F. red.	
495							
496	LITTLE HOPE ISLET	Nearly on center of islet	43 48 31	64 47 15	1	Rev. red.	Every minute
497							
498	PORT HEBERT	On Shingle beach, E. side of harbor.	43 48 40	64 55 24	1	F. red.	
499							
500	RUGGED ISLAND HARBOR.	Gull rock	43 39 14	65 5 50	1	F.	
501							
502		On Carter's island	43 42 15	65 5 59	1	F. red.	

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
490	65	16	Octagonal base; horizontal stripes, red and white, eight in number.	50	C.	1812	
491	32	10	Tower; square; wood; white.	33	C.	1878	Shows WHITE to seaward and GREEN in the harbor.
492	30	5	Square; white	17	C.	1855	To be left on port side when entering harbor.
493							
494	47	11	Square; wood; white	20	C.	1873	
495							
496	40	12	Square; white; center of keeper's dwelling.	26	C	1865	Illuminates entire horizon.
497							
498	33	10	Square; wood, white	29	C.	1872	
499							
500	56	10	Square; white	31	C.	1853	
501							
502	66	11	Square; wood; white	29	C.	1872	

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
503								
504	SHELBURNE HARBOR	Cape Roseway, near SE. extreme of Macnutt island.	43 37 17	65 15 45	2	Vertical; 21 yards apart.	F.	----------
505								
506		Sand spit, on pier	43 41 25	65 19 28	1	----------	F. red.	----------
507								
508	NEGRO HARBOR	On Negro island	43 30 54	65 20 58	1	----------	Rev., red and white.	Every minute
509								
510	PORT LATOUR	Baccaro point, W. side of entrance.	43 26 54	65 28 12	1	----------	F. red.	----------
511	B[illegible]INGTON BAY	Light-vessel, in 6 fathoms, between Wauses ledge and Sand flats, off Beach point.	43 31 5	65 34 25	1	----------	F.	----------
512	CAPE SABLE	On cape	43 23 19	65 37 11	1	----------	Rev.	Every 40 seconds; eclipse 25 sec's
513	STODDART ISLAND	Northwest point	43 28 27	65 43 8	1	----------	F. red.	----------
514	BON PORTAGE	S. point of island	43 27 16	65 44 39	1	----------	Rev. red.	Every 2 minutes flash every minute.
515								

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
503							
504	120 65	18 10	Octagonal; vertical black and white stripes.	77	C.	1788 rep'd 1858	
505							
506	47	10	Tower; square; wood; white.	44	C.	1880	
507							
508	48	12	Square; wood; white	29	C.	1872	
509							
510	49	10	Square; white; with black ball seaward.	35	C.	1850	
511			Light-vessel, schooner rigged, hull and spars RED; "BARRINGTON" in white letters on both sides.	30	C.	1876	Anchored on following bearings, viz: Wauses ledge SW. by W. ¼ W., distant ⅞ of a mile; Baccaro light-house S.SE. ¾ E., distant $6\frac{2}{10}$ miles; Bantam rock S. by E. ⅝ E., distant 6¼ miles. Serves as a guiding light into Barrington East bay and through Barrington passage.
512	53	12	Conical; white	50	C.	1861	During thick weather, fogs, and snow storms a [illegible] fog-whistle is sounded with blasts of 10 seconds' duration in every minute, with an interval of 50 seconds.
513	22	9	Square; wood; white		C.	1877	To guide vessels to the anchorages of Stoddart and Shag harbors.
514	46	12	Square; wood; white	28	C.	1874	
515							

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative position.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
516	PUBNICO HARBOR	Beach point, E. side of entrance, 120 yards from low-water mark.	43 35 45	65 46 54	1	F.	
517							
518	ARGYLE HARBOR	South point of Whitehead island.	43 39 40	65 52 4	1	F. red.	
519							
520	TUSKET RIVER	Big Fish island, SW. point	43 42 3	65 57 15	2 Horizontal; 8 yards apart.	F.	
521							
522	BAY OF FUNDY. YARMOUTH. Seal island	S. point, ½ of a mile inland	43 23 34	66 0 52	1	F.	
523	Pease island	South point	43 37 35	66 1 40	2 Vertical; 16 feet apart.	Rev. red & white. F. red.	Every minute: flash 15 seconds; eclipse 45 sec's; alternate red and white flashes.
524	Cape Fourchu	E. cape, S. point	43 47 28	66 9 21	1	Rev.	Every 105 sec's; eclipse 30 sec's.
525							
526	Bunker island	End of reef, off SW. point	43 48 30	66 8 45	1	F. red.	
527							

NOVA SCOTIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
516	28	8	Square; white	20	C.	1854	Open westward of St. John's island, bearing NE. by N., clears the ledge. Making harbor from any other direction, the light must be brought to the northward of E NE. before it can be steered for, to avoid shoal spot off Cape St. Ann point.
517							
518	115	12	Square; wood; white	28	C.	1874	Leading light for Argyle harbor.
519							
520	50	12	Wood; white; from each end of white dwelling.	23	C.	1864	
521							
522	98	18	Octagonal; white	60	D., 2d ord.	1830	The Blonde rock lies S. by W., 3¼ miles from light-house During fogs and snow storms a steam-whistle is sounded, with blasts of 5 seconds' duration, at intervals of 5 seconds and 45 seconds, alternately. May be heard from 5 to 25 miles, according to weather. *Fog-signal temporarily discontinued.*
523	56	(12 / 4)	Tower; square; wood; white; keeper's dwelling attached.	42	C.	1879	Visible from all points of approach from the southward, and also through the Schooner and Ellenwood passages. Fixed red light marks the channel between Old Man and Old Woman rocks, between the bearings of W NW. ½ W. and NW. by N.
524	117	18	Octagonal; vertical red and white stripes.	59	C.	1839	During fogs and snow storms a fog-whistle on W. side is sounded 10 seconds in every minute, with an interval of 50 seconds. May be heard from 5 to 7 miles, according to wind and weather. Cannot be at all times relied on.
525							
526	27	10	Tower on a house, erected on a beacon.		C.	1874	Visible between the bearings N. ¾ E. and NE. by N., over an arc of 25°. Can also be seen over Stanwood's beach when bearing from S. ¼ E. to SE. ¼ E., but cannot be run for between these latter bearings—the only entrance to the harbor being through Yarmouth sound and round Cape East.
527							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
528	Bay of Fundy—Continued.	Cape St. Mary	E. side of bay	44 5 20	66 12 30	1		Rev., red and white.	Every ¼ minute
529		Meteghan river	On breakwater	44 13 43	66 8 12	1		F. green.	
530		Church point	East side of bay	44 19 55	66 7 35	1		F. red.	
531									
532		Sissiboo river	Entrance, near Weymouth	44 26 30	66 1 15	1		F.	
533									
534		Peter island	S. entrance to Grand passage.	44 15 30	66 20 20	2	Horizontal; 8 yards apart.	F.	
535									
536		Bryer island	NW. point	44 11 57	66 23 33	1		F.	
537									
538		Petit passage, N. entrance.	Bear's head, 50 feet from edge of cliff.	44 24 16	66 13 0	1		Rev., red and white.	Every minute
539									

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every ¼ minute	628	103	13	Octagonal; white	43	C.	1868	
	629	21	6	Vertical red stripes to seaward; lantern black.		C.	1875	For the purpose of guiding vessels into the river, and should be left on starboard hand and close-to.
	630 631	36	10	Square; wood; white	20	C.	1874	For the purpose of marking Church point and guarding against dangers in the vicinity.
	632 633	36	8	Pyramidal; wood; white.	33	C.	1870	
	634 635	40 each.	10	Square; white	15	C.	1850	Visible from the northward between the bearings S. by W. and S SW., and from the southward between the bearings NE. by E. and N NW. ¼ W.
	636 637	92	13	Octagonal; white	55	C.	1869	During thick and foggy weather a steam fog-whistle, on the S. side of the light-house, is sounded 3 times in each minute, as follows: First a blast of 4 seconds, then an interval of 4 seconds; then another blast and interval of same duration; and then a third blast of 4 seconds, with an interval of 40 seconds to complete the minute, before the whistle is again sounded. The whistle will probably be heard in calm weather, or with the wind, from a distance of 10 to 15 miles; in stormy weather, or against the wind, from 3 to 6 miles, according to the state of the atmosphere.
Every minute	638 639	70	14	On a white dwelling house.		C.	1864	Visible between the bearings E. by S. and SW. by W., illuminating an arc of 135°.

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
540	BAY OF FUNDY—Continued.	Digby, or Annapolis.	Prim point, S. point of entrance.	44 41 34	65 47 20	1	F.	
541								
542		Marshall cove, or Port Williams.	S. shore	44 56 52	65 16 1	2	Vertical; 7 yards apart.	F.
543								
544		Margaretville	On a point 4¾ miles E. of Port George.	45 2 57	65 1 0	2	Vertical	F. red.
545		Isle Haute	Summit	45 14 55	65 0 45	1		Int.
546		Black Rock point	S. shore	45 10 10	64 46 0	1		F.
547		Kingsport	Extremity of Oak Point pier.	45 9 30	64 21 45	1		F.
548		Horton	On bluff	45 6 15	64 13 10	1		F.
549								
550		Walton harbor	N. side of entrance	45 14 0	64 0 45	1		F. red.
551								

Number.	Height of light above sea-level.	Interval of revolution or flash.
540	76	
541		
542	(60) (37)	
543		
544	(30) (27)	
545	365	Visible 40 seconds every minute.
546	45	
547	30	
548	92	
549		
550	60	
551		

NOVA SCOTIA—Continued.

Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
540	76	13	Square; vertical red and white stripes.	22	C.	1817	During thick weather, fogs, and snow storms a steam fog-whistle will be sounded 8 seconds in each minute, making an interval of 52 seconds between the blasts. The whistle has been heard at the following distances: In calm weather, over 15 miles; with the wind, about 20 miles; stormy weather, and against the wind, 6 miles.
541							
542	{ 60 } { 57 }	10	Square white	22	C.	1850	Visible seaward between the bearings W.SW. and E.NE.
543							
544	{ 30 } { 27 }	8	Square; white and black horizontal stripes.	22	C.	1850	Red light visible from W.SW. around N. to E.NE.
545	365	20	Tower; wood; square; white; keeper's dwelling attached.	53	C.	1878	Visible from all points.
546	45	12	Square; white	35	C.	1848	A fog-whistle, on the opposite side of the channel, sounds during thick and foggy weather and during snow storms twice in each minute—each blast being 6 seconds' duration, with intervals of 24 seconds. The whistle will be heard in calm weather 20 miles, and in stormy weather, or against the wind, from 5 to 8 miles.
547	30	8	Tower; lower part open framework; brown; upper part inclosed and painted white.	26	C.	1878	Visible between the bearings SW. ½ W. and NW. by W. ¾ W.
548	92	20	Square; white	20	C.	1851	
549							
550	60	10	Square; wood; white	20	C.	1873	
551							

NOVA SCOTIA—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
552	Bay of Fundy—Continued.	Burnt Coat head	Basin of Mines	45 18 40	63 48 30	1	F.	
553								
554		Cobequid bay	Spencer point, N. shore	45 23 30	63 37 0	1	F.	
555								
556		Partridge island, or Parsborough.	W. side of river	45 23 0	64 19 0	1	F.	
557								
558		Apple river, Chignecto bay.	Cape Capstan, or Hetty point, N. entrance.	45 28 20	64 51 30	1	F.	
559								
560								
561								
562								
563								
564								

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	552	75	13	Square; white; on keeper's dwelling.	35	C.	1859	Visible from all points of approach.
	553							
	554	35	6	Window in a building	20	C.	1863	
	555							
	556	37	9	Square; white; on keeper's dwelling.	32	C.	1852	
	557							
	558	64	12	Oblong, with tower; white.	45	C.	1870	
	559							
	560							
	561							
	562							
	563							
	564							

NOVA SCOTIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
565							
566							
567							
568							
569							

BERMUDA ISLANDS.

570	Bermuda island	Gibb's hill	32 15 4	64 51 36	1	Rev.	Every minute
571		St. David's island, Mount hill.	32 21 40	64 40 40	1	F.	
572							

BAHAMA ISLANDS.

573	Great Isaac	On the island	26 2 0	79 6 30	1	Rev.	Every ¼ minute
574							
575	Gun cay	Near S. point	25 34 30	79 18 50	1	Rev. red.	Every 1¼ minutes
576							

NOVA SCOTIA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	565							
	566							
	567							
	568							
	569							

BERMUDA ISLANDS.

Every minute	570	24	362	Circular; iron; white	106	----------	1846	Visible from all directions except between the bearings S. 48° W. and S. 52° W., also S. 53¼° W. to S. 62° W., being interrupted by high land.
----------	571	209	------	Octagonal tower; stone; white.	55	, 2d ord.	1879	Visible between the bearings S. 38° E. and N. 52° E., over an arc of 270°. When to the northward and westward of St. George Island the light is obscured by the land about Fort Victoria when bearing to the eastward of S. 26° 10′ E.
	572							

BAHAMA ISLANDS.

Every ¼ minute	573	158	16	Iron, with broad red and white horizontal bands; lantern white.	145	C., 1st ord.	1859	Shows a fixed light, visible for a distance of 6 miles, between the flashes.
	574							
Every 1¼ minutes	575	80	12	Conical; upper part red; lower part white; lantern white.	70	C., 2d ord.	1836	Not visible between the bearings S. by W. ¾ W. and S. ¾ E., being intercepted by the Bemini isles when 8 miles distant.
	576							

BAHAMA ISLANDS Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
577	GREAT STIRRUP CAY	600 yards from E. end of cay	25 49 40	77 53 55	1	F.	
578							
579	NASSAU HARBOR	Hog island, W. point	25 5 37	77 22 22	1	F.	
580		Athol island	25 5 0	77 17 20	1	F.	
581	ABACO	SE. point, or Hole in Wall	25 51 30	77 11 11	1	Rev.	Every minute
582							
583		Little Guana, or Elbow cay, ¼ of a mile inland.	26 31 10	76 58 0	1	F.	
584							
585	CROOKED ISLAND PASSAGE.	Bird rock	22 50 40	74 22 30	1	Rev.	Every 1¼ minutes
586							
587		Castle island, 270 yards within SW. part.	22 6 40	74 20 40	1	F.	
588							

BAHAMA ISLANDS—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	577	81	12	Circular; red and white bands.	46	D., 3d ord.	1863	Visible between the bearings NW. by W. and NE., illuminating an arc of 259°.
	578							
	579	68	10	Conical; stone; white	58	C., 1st ord.	1816	Visible between the bearings N NE. and N NW. ¼ W., illuminating an arc of 309°. The regulation is still in force which requires the exhibition at night of a RED light at Hog island light-house whenever the state of the bar at the entrance to Nassau is such as to be considered impassable or dangerous to vessels entering the harbor.
	580		8	From a cupola of quarantine office.			1875	Visible between the bearings W NW. ¼ W. and N NW. ¼ W., through an arc of 45°.
Every minute	581	160	16	Conical; stone; lower part white; upper part red; lantern white.	85	C., 1st ord.	1836	Visible between the bearings SW. and E SE.
	582							
	583	123	14	Circular; stone; with red and white bands; lantern white.	77	D., 1st ord.	1863	Illuminates an arc of 228°.
	584							
Every 1¼ minutes	585	120	17	Stone, faced with blue brick; conical.	112	C., 2d ord.	1876	Vessels approaching the light must pay careful attention to its bearings, as the point of reef extends about 1¼ miles N. NW. of the tower, and the current to north of Crooked island is variable.
	586							
	587	123	17	Conical; 3 bands of red brick.	114	D., 2d ord.	1868	Illuminates an arc of 330°.
	588							

BAHAMA ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
589	GREAT INAGUA ISLAND	2 miles NW. of SW. point	20 56 0	73 40 45	1	Rev.	Every minute
590							
591	TURKS ISLAND	400 yds. SW. ¼ W. from N. extremity of island.	21 31 0	71 7 40	1	Rev.	Every ¼ minute
592							
593	LONGS CAY	On cay	22 22 30	77 35 5	1	F.	
594							
595	SAL CAY BANK	Anguilla, SE. cay	23 29 0	79 32 0	1	F. & Fl.	
596							
597		N. Elbow, or Planquata cay	23 56 30	80 28 0	1	F.	
598							

GREAT ANTILLES.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
599	CUBA, North coast. San Antonio	On cape	21 51 30	84 58 4	1	Rev.	Every ¼ minute.
600							

BAHAMA ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
589	120	17	Conical; stone; white and red bands.	114	D., 2d ord.	1870	Visible about 1 mile southward of Mathew town, over the land.
590							
591	108	15	Circular; iron; white	60	C.	1845	
592							
593	146	16	Circular; iron; broad black bands, 7 in number, and white, 6 in number; lantern white.	150	D., 1st ord.	1860	Illuminates entire horizon.
594							
595		8			D., 4th ord.		*Proposed.*
596							
597	96	15	Conical; stone; white; upper part red.	58	D., 2d ord.	1839 rest'd 1866	Not visible when bearing SW. ¼ W., being intercepted by Water cay when 9 miles distant.
598							

GREAT ANTILLES.

599	117	20	"RONCALI" thereon	107	D., 2d ord.	1863	
600							

GREAT ANTILLES—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.
				° ′ ″ N.	° ′ ″ W.						
601	CUBA, North coast—Continued.	Jutias	On cay	22 43 20	84 6 30	1		F. & Fl.		601	
602										602	
603		Gobernadora	On point	23 0 0	83 13 10	1		Rev.		603	110
604										604	
605		Havana	Morro Castle, E. side of entrance.	29 9 21	82 21 23	1		Rev.	Every ½ minute	605	170
606										606	
607		Santa Cruz port	Entrance of port	23 9 0	81 59 —	1		F.		607	
608										608	
609		Guanos	On point	23 9 0	81 42 —	1		Rev.	Every minute	609	93
610										610	
611		Cardenas bay	Piedras cay, Los Pinzones	23 14 24	81 7 15	1		F. & Fl. red.	Every 2 minutes	611	74
612										612	
613			Cay Diana	23 9 56	81 6 59	1		F.		613	43

GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	601					D., 2d ord.		*Proposed.*
	602							
	603	110	15			D., 2d ord		*Proposed.*
	604							
Every ¼ minute	605	170	21	Stone color; "O'DONNELL" thereon.	79	D., 1st ord.	1845	The light is extinguished for ten minutes after midnight, to clean and trim the lamps.
	606							
	607							*Proposed.*
	608							
Every minute	609	93				D., 3d ord.		*Proposed.*
	610							
Every 2 minutes	611	74	15	On house; white	67	D., 4th ord.	1857	
	612							
	613	43	7	Iron column			1862	

GREAT ANTILLES—Continued.

Number.		Name.	Location.	Latitude. N. ° ′ ″	Longitude. W. ° ′ ″	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
614	Cuba, North coast—Continued.							
615		Cayo Cruz del Padre	On reef, ¾ of a mile NE. of cay.	23 17 7	80 54 12	1	F.	
616								
617		Bahia de Cadiz	NE. part of cay	23 12 34	80 29 18	1	Rev.	Every minute
618								
619		Sagua la Grande	Rancheria point	23 4 0	80 4 0	1	F.	
620								
621		Paredon Grande	N. part of cay	22 20 3	78 9 53	1	F. & Fl.	Every minute
622								
623		Nuevitas harbor	Maternillos point	21 40 6	77 8 57	1	F. & Fl.	Every minute
624								
625			Barlovento, or Pilot's point, E. entrance.	21 37 30	77 5 16	1	F.	
626								

Number.	Height of light above sea-level.
614	
615	49
616	
617	175
618	
619	57
620	
621	159
622	
623	173
624	
625	40
626	

GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	614							
----------	615	49	10	Conical; white ----------	46	D., 4th ord.	1862	Not to be depended on.
	616							
Every minute ---	617	175	24	Iron; white ----------	159	D., 1st ord.	1862	
	618							
----------	619	57	8	Red pole, center of keeper's dwelling; brick.	46	D.---------	1872	Visible between the bearings SW. ¼ W. and SE. ¼ E.
	620							
Every minute ---	621	159	16	Iron; white; brown stone base.	127	D., 1st ord.	1859	
	622							
Every minute ---	623	173	23	White; "COLON" thereon	170	D., 1st ord.	1850	
	624							
----------	625	49	9	On white mast, center of building.	44	D., 6th ord.	1864	Keeper's dwelling quadrangular; yellow.
	626							

GREAT ANTILLES—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.	Height of light above sea-level.
				° ′ ″ N.	° ′ ″ W.				
627	CUBA, North coast—Continued.	Lucrecia	On point	21 4 38	75 37 55	1	Rev. red.	Every minute	112
628									
629		Baracoa	Entrance of port	20 21 40	74 30 20	1	F.		50
630									
631		Cape Maysi	On cape, E. point of island	20 15 10	74 10 24	1	F.		128
632		Guantánamo	End of mole			2	F., with red sector. F., with green sector.		16
633		Santiago de Cuba	100 yards E. of the Morro Castle.	19 57 31	75 52 6	1	Rev.	Every 2 minutes	226
634									
635	South coast.	Cape Cruz	On cape	19 50 0	77 44 30	1	F. & Fl. red.	Every 3 minutes	114
636									
637		Jagua, Nagua, or Cienfuegos harbor.	Colorado point, E. point of entrance.	22 1 0	80 30 —	1	F. & Fl.	Every 2 minutes	81
638									
639		Cochinos bay	Cay Piedras, N. part	21 58 0	81 3 —	1	F.		30

GREAT ANTILLES—Continued.

Interval of revolution of flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	627	112	15	Stone; white		D., 2d or	1868	
	628							
	629	50	12	Iron column, attached to keeper's dwelling.	29	D., 4th ord	1870	
	630							
	631	128	17	Circular; octagonal base		D., 2d ord.	1862	
	632	16				Lanterns	1881	Square lanterns. The one on N. angle of mole-head has two RED and two WHITE faces, and the one on S. angle two GREEN and two WHITE, the colored faces showing toward the harbor.
Every 2 minutes	633	226	15	Iron; white	20	D., 4th ord.	1861	Not to be depended on.
	634							
Every 3 minutes	635	114	16	Stone; yellow; white bands.		C., 2d ord.	1871	Vessels passing the light from E. to W. or from W. to E. should keep well off until passed, to avoid the reef.
	636							
Every 2 minutes	637	81	14	"VILLA NUEVA" thereon.	45	D., 3d ord.	1851	
	638							
	639	30	7	Brown; on keeper's dwelling.	26	D., 4th ord.	1863	

GREAT ANTILLES—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
640	CUBA, South coast—Continued.						
641	Batabano		22 41 25	82 18 21	1	F.	
642							
643	Pepe, Isle of Pines	On cape	21 26 —	83 6 —	1	Rev.	
644							
645	JAMAICA ISLAND	Morant point	17 55 5	76 11 40	1	Rev.	Every minute
646							
647		Plum point, 66 yards northward of point.	17 55 45	76 47 20	1	F., with red sector.	
648							
649		Fort Augusta	17 58 0	76 52 20	1	F., with red sector.	
650							
651							

GREAT ANTILLES—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
640							
641	31	3	Lantern on mast			1854	
642							
643		16			D., 2d ord.		*Proposed.*
644							
645	115	15	Iron; white	96		1842	Visible when bearing from about N NE. ½ E. round by W. to SE. by S.
646							
647	68	12	White			1854	RED when seen between the bearings NW. by W. ¾ W. and N. ½ E.; WHITE from N. ½ E. to SE.
648							
649	40		Single lamp, suspended from the beacon.				The WHITE light visible to the S. and W., and the RED to the eastward. Bearing N. by E. leads through the S. channel.
650							
651							

GREAT ANTILLES—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
652	SANTO DOMINGO.	Porto Plata	On point, east side of bay	19 48 30	70 41 55	1	Rev.	Every 20 seconds.
653		Santo Domingo city	San José fort	18 28 5	69 52 30	1	Rev., red and white.	Every minute
654								
655								
656		Arcadins	On center or largest of Arcadins' islands, NW. point.	18 47 50 (approx.)	72 38 15 (approx.)	1	F.	
657		Port au Prince, "Haïti."	Lamentin point	18 33 21 (approx.)	72 25 20 (approx.)	1	Rev. red.	Every ¼ minute
658						2		
659			150 yards westward of Fort islet.			1	F.	
660								
661	PORTO RICO ISLAND		Port San Juan, on Morro point.	18 28 40	66 6 40	1	F. & Fl.	Every minute; flash 5 seconds.
			Mayaguez, mole-head			2	F. red.	
662								
663			Port Ponce, office of the captain of the port.	17 58 50 (approx.)	66 39 30 (approx.)	1	F. red.	
664								

Number.	Height of light above sea-level.
652	105
653	113
654	
655	
656	36
657	97
658	
659	
660	
661	171
662	
663	39
664	

GREAT ANTILLES—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every 20 seconds	652	105	16				1879	
Every minute	653	113	16	White cupola	100		1853 alt'd 1879	
	654							
	655							
	656	36	9	Circular; iron; white		—, 5th ord.	1880	
Every ¼ minute	657	97	15	Circular; iron; white	93	—, 3d ord.	1880	
	658							*Proposed.*
	659		3	From mast of W. I. Co.'s store-ship.		Ship's lantern.	1866	*To be discontinued.*
	660							
Every minute; flash 5 seconds.	661	171	18	Octagonal; white and dark gray.		C., 3d ord.	1876	
	662							
	663	39		Square			1880	Vessels approaching Port Ponce should not come within 5 miles of the land until the light-house bears N NE, when it should be steered for, passing westward of Tasmanian shoal. When abreast of Cardones islet alter course to N. by E. for the anchorage.
	664							

VIRGIN AND CARIBBEE ISLANDS.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
665	ST. THOMAS	E. entrance, on Mohlenfels point.	18 19 22	64 55 8	1	F.	
666							
667	SANTA CRUZ, or ST. CROIX	Frederichstad fort	17 42 40	64 52 40	1	F.	
668							
669		Christianstad fort	17 45 25	64 41 30	1	F.	
670							
671	SOMBRERO ISLAND	On SE. side of island and one-third its length from S. point.	18 35 40	63 27 46	1	Rev.	Every minute
672	ST. MARTIN ISLAND	Philipsburg, Grand bay, W. side.	18 1 0	63 4 8	1	F.	
673	ST. CHRISTOPHER ISLAND	On beach at Basse Terre	17 18 —	62 42 50	1	F. red.	
674							
675	MONTSERRAT ISLAND	On beach at Plymouth	16 42 12	62 13 —	2	F.	
676							

VIRGIN AND CARIBBEE ISLANDS.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	665	118	12	Iron; white		D., 5th ord.	1872	Visible from seaward between the bearings E. by S. and W.
	666							
	667		4				1857	
	668							
	669			On a flag-staff			1857	
	670							
Every minute	671	150	20	Open iron frame-work; red.	132	D., 2d ord.	1868	
	672	150	8	In old fort; on stone base		Lantern	1875	Visible between the bearings S. 49° E. and S. 38° W., over an arc of 87°. Proselyte rock lies 1¼ miles S. of fort signal station.
	673	37	4	Wood frame-work	33		1846	N. by W. ¼ W. leads to the anchorage.
	674							
	675							Shown when mail steamer is expected.
	676							

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.		ication.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
677								
678	ANTIGUA ISLAND		Sandy island, Port Saint John.	17 6 54	61 54 31	1	F.	
679	GUADALOUPE ISLAND.	Petite Terre	202 yards from eastern extremity.	16 10 29	61 5 7	1	F.	
680								
681			Gozier islet	16 11 57	61 20 3	1	F.	
682								
683		Pointe à Pitre						
684								
685			Monroux islet	16 13 14	61 31 26	1	F.	
686								
687		Port du Moule	Near signal-mast	16 19 59	61 20 11	1	F.	
688								
689		Basse Terre	On quay	15 59 50	61 43 30	1	F. red.	

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
677							
678	58	13	Wood; black; lantern and dome red.	53	C.	1875	Visible all round the horizon. Bearing S SW. clears Diamond bank, and N. by E. Hurst and Irish banks and shoals to southward.
679	108	15		75	D., 3d ord.		
680							
681		7					The harbor lights are as follows: 1. The WHITE lights on the buoys at the entrance to Pointe à Pitre, on the starboard side of entrance, are replaced by GREEN ones. 2. The RED light on the first buoy in the offing is still lighted and placed alongside of the GREEN one in order to distinguish this buoy from the other two. 3. Buoy at edge of breakers, near Cassan island, carries a WHITE light. The Trans-Atlantique Company, on the days of the arrival of their steamers, the 6th, 10th, 20th, and 27th of each month, places—1, a WHITE light on a beacon placed on a bank opposite Foullole; 2, a GREEN light on the mooring buoys of the steamers in the harbor.
682							
683			On a mast		Lantern		
684							
685			On a mast		Lantern		
686							
687		7				1858	
688							
689		9				1865	Light at end of wharf also RED, but of less elevation.

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.		Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° N. ′ ″	° W. ′ ″			
690								
691	MARIEGALANTE ISLAND		Grand Bourg	15 54 —	61 17 0	1	F.	
692								
693	DOMINICA ISLAND		Roseau bay, extremity of mole.	15 17 26	61 23 5	1	F. red.	
694								
695	MARTINIQUE ISLAND.	Fort de France	Pointe des Négres, in the fort.	14 35 58	61 5 24	1	F.	
696								
697			Fort St. Louis, in SW. part of fortress.	14 36 7	61 4 6	1	F., with red sector.	
698								
699		St Pierre bay	St. Marthe point, on battery at summit.	14 44 4	61 10 54	2	E. and W., 31 feet apart.	F. F. red, blue, and green.
700								
701								
702								
703			Edge of the bank			1	F. red.	

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
690							
691		9		45		1867	
692							
693			On flag-staff			1867	Shown when mail steamer is expected.
694							
695	62	8	Red mast	15		1855	
696							
697	131	4 to 5					RED between the bearings ESE. (over North) and SW., and WHITE in all other directions. A fixed WHITE light is also shown in the careening harbor. The buoy at the southern extremity of St. Louis bank exhibits a WHITE light, and the buoy at the SE. extremity a RED light, on the arrival or departure of the mails, or when required. When the packets of the Compagnie Transatlantique are at Fort de France the docks of the company are lighted by the electric light. Vessels coming to the anchorage from the southward in thick weather should be careful not to mistake this light for the white portion of the light on Fort St. Louis.
698							
699		5				1860	Upper light shows fixed WHITE. Lower light shows RED to the N., BLUE to the W., and GREEN to the S. The WHITE and BLUE lights in line lead to the anchorage.
700							
701							
702							
703		2				1860	Lighted on the day the mail is expected, and for three nights after, if not arrived.

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
704	MARTINIQUE ISLAND—Cont'd.							
705	Caracoli mountain	Caravelle peninsula, ½ of a mile inland.	14 46 22	60 52 47	1		F.	
706								
707	ST. LUCIA ISLAND	Tapion battery, S. entrance of Castries harbor.	14 1 30	61 0 50	1		F. red.	
708								
709		Vieille Ville shoal			1		F. red.	
710		Cocoa-nut shoal			1		F. green.	
711								
712								
713	ST. VINCENT ISLAND	Fort Charlotte, Kingstown	13 13 0	61 14 0	1		F.	
714								
715	BARBADOS ISLAND	Ragged point, 300 yards within the extremity of the cliff.	13 9 55	59 25 35	1		Rev.	Every 2 minutes
716								

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
704							
705	410	12	White		D., 1st ord.	1862	*Illuminating apparatus defective.*
706							
707	80	3				1843	Shown when mail steamer is expected.
708							
709			Red perch			1868	
710			Perch			1868	Shown when mail steamers are expected.
711							
712							
713	640	6			Lamp	1858	
714							
715	213	21	Round; white coral stone	97	D., 2d ord.	1875	Mariners are cautioned, in closing the land, to keep well to the northeastward of the light on account of the prevailing strong currents running westward on to the Cobblers, a cluster of dangerous reefs 2¼ miles SE. of Ragged point.
716							

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
717	BARBADOS ISLAND—Continued.	S. point, 200 yards in-shore	13 2 55	59 31 20	1	Rev. red and white.	Every minute; eclipse 24 sec's.
718							
719		Carlisle bay, Needham point	13 4 45	59 36 22	1	F., with red sector.	
720		W. end of public wharf, Bridgetown.			1	F. red.	
720a		W. end of mole, Bridgetown			1	F.	
721	GRENADA ISLAND	Fort George, St. George harbor.			1	F.	
722							

MEXICO AND CENTRAL AMERICA.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
723	TAMPICO	N. point of entrance	22 16 45	97 47 1	1	F.	
724							
725	VERA CRUZ	San Juan de Ulloa fort, W. part.	19 12 0	96 8 30	1	Rev.	Every 45 seconds.
726							
727		Convent of San Francisco	19 11 32	96 8 54	1	F. & Fl.	Every minute

VIRGIN AND CARIBBEE ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Interval of revolution or flash.
717	145	18	Alternate red and white bands.	30	C., 3d ord.	1875	Does not show until it bears to the westward of SW. by W., and to be kept well open in order to clear the Cobbler reefs.	Every minute; eclipse 24 sec's.
718								
719	30	W. 8) R. 3)				1850	RED to N. of E., and WHITE to S. of E. *Not to be relied upon. Reported to show* WHITE *in all directions.*	
720		4				1878	At entrance to Carenage.	
720a							At entrance to Carénage.	
721		3 to 4	Flag-staff, in fort			1877	Shown when mail steamer is expected.	
722								

MEXICO AND CENTRAL AMERICA.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Interval of revolution or flash.
723	60	15	On a pole			1865	Indifferent light; said to be visible only 7 or 8 miles.	
724								
725	80	15	White	60				Every 45 seconds.
726								
727	102	15	Blue, with white stripes at the upper part.		D., 4th ord.	1872		Every minute.

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
728							
729	COATZACOALCOS RIVER	Old Lookout tower, W. side of entrance, ¼ mile from beach.	18 12 0	94 17 0	1	F.	
730							
731	LAGUNA DE TERMINOS, NICALANGO ISLAND.	Indian village	18 37 47	91 54 16	1	Rev.	Every ¼ minute
732							
733	CAMPECHE		19 50 —	90 33 0 —	1	F.	
734	CELESTUN		20 51 —	90 25 —	1	F.	
735	SISAL	On castle	21 10 0	90 3 0	1	F.	
736							
737	PROGRESO (TUXULA)	NE. corner of custom-house	21 17 —	89 39 —	1	F.	
738							
739	TURNEFFE CAYS	Manger cay, 1½ miles within N. end of reef.	7 37 15	87 15 45	3	In a triangle.	F.
740							

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
728							
729	126	12	Old watch-tower			1860 imp'd 1869	
730							
731	100	14	Circular; red and white upper part; lantern white.		D., 2d ord.	1856	
732							
733	95	14				1864	
734		10					
735	60	10	White	56		1852	
736							
737	57	12	Top of lookout shed		D., 4th ord.		
738							
739	57 to 60	13	Skeleton; iron; white	57	D., 4th ord.	1846 New 1868	Beyond a distance of 4 to 6 miles the lights appear as one; within that distance as three distinct lights between the bearings W. and S. In a NW. and SE. direction the lights appear as one and lead to the anchorage. The bank extends 1½ miles to the NE. of the light-house. The lights can be seen above the trees from all points of the compass, but the light-house is seen from seaward only from NE. to SW. by W.
740							

Interval of revolution or flash.

Every ½ minute

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
741	Belize	English cay, S. side of channel.	17 19 30	88 3 54	1		F.	
742								
743		Custom-house			1		F.	
744								
745								
746	Bokel cay	On cay, S. extreme of Turneffe cays.	17 8 50	87 56 24	2	Horizontal	F. F. red.	
747								
748	Half-Moon cay	SE. point	17 12 15	87 32 30	1		F.	
749	Bonacca island	On Cay XII	16 26 — (approx.)	85 53 — (approx.)	1		F.	
750	Coxen hole	Coxen road, Roatan island, on hill in rear of town.	16 19 30	86 33 15	1		F.	
751	Utilla island	Off East reef	16 5 — (approx.)	86 54 — (approx.)	1		F.	

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
741	45	7	Mast; white		D., 6th ord.	1846 alt'd 1879	
742							
743			On a flag-staff		D., 6th ord.	1863	
744							
745							
746	60	W. 8 R. 5	Flag-staff, with a yard, on which the lights are displayed.		D.	1868	
747							
748	70	12	Iron; white	80	C., 2d ord.	1821	Visible around horizon.
749		6	On a mast			1879	
750	85	10				1875	Vessels bound in bring the light to bear N NE. ¼ E. and steer for it. Not clearly distinguishable for a distance greater than 3 miles.
751		4 to 5	Wood			1879	Not to be depended upon.

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
752	TRUXILLO	Cape Honduras, or point Castilla, 70 yards from the shore.	16 1 —	86 3 15	1	F.	
753							
754	PORT LIMON	Grape cay, highest point	10 0 5	83 2 30	1	F.	

NEW GRANADA, VENEZUELA, AND GUIANA.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
755	ASPINWALL (Colon)	NW. part of Manzanilla island.	9 22 12	79 54 36	1	F.	
756							
757	PORT SAVANILLA	About the middle of Cupino beach.	11 0 0	74 57 0	1	Rev.	Every 2 minutes
758							
759	SANTA MARTA	Morro island	11 15 30	74 15 40	1	F.	
760							
761							
762	ORANGESTADT HARBOR, PUERTO CABALLOS.	Oruba island, on fort	12 31 5	70 2 34	1	F.	

MEXICO AND CENTRAL AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
752	30	11	------	------	------	1870	Destroyed by a hurricane; a temporary light exhibited, visible 4 miles.
753							
754	60	6 to 8	------	------	D.	1879	

NEW GRANADA, VENEZUELA, AND GUIANA.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
755	60	10	Wood; open white building.	60	D., 5th ord.	1852	*Reported as being visible only 6 miles.*
756							
757	------	22	Iron tower, and keeper's dwelling white.	------	—, 5th ord.	1872	Visible between the bearings S. ¼ E. and NE. by E. ¾ E.; can be seen only 5 or 6 miles in hazy weather.
758							
759	328	24	------	------	------	1870	*Temporarily discontinued.*
760							
761							
762	40	6	Stone; square; upper third white; middle red, and lower blue.	58	C.	1877	Visible between the bearings NW. by W. and S. by E., over an arc of 224°.

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
763	MARYCABO or MARACAYBO	Zapara island	10 58 0	71 10 0	1	F.	
764							
765							
766							
767	GREAT CURAÇAO ISLAND	St. Ann harbor, Rif fort	12 6 10	68 55 10	1	F.	
768							
769	LITTLE CURAÇAO	Near center of island	12 2 0 (approx.)	68 38 30 (approx.)	1	F., varied by eclipses and flashes.	Every minute
770							
771							
772	BUEN AYRE	Point Lacre, S. point of island.	12 2 12	68 22 18	1	F.	
773		Kralendijk, W. side of island, opposite little Buen Ayre.			2	F.	
774	PUERTO CABELLO	Brava point	10 30 0	68 0 0	1	Rev., red and white.	Every 40 seconds: alternate red and white.
775							

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plate.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Interval of revolution or flash.
763	30	6	Stone				*Building.*	
764								
765								
766								
767	35	3	Square; stone; gray	17	D.	1841	*Time-signal*, made from vessel stationed in the harbor. At 0h. 0m. 0s. Curaçao mean time, or 4h. 35m. 46.9s. Greenwich mean time.	
768								
769	75	14	Circular; white; stands between two two-story houses with red roofs.		D., 4th ord.	1879	Fixed white, 40 seconds; eclipsed, 7 seconds; flash, 6 seconds; eclipsed, 7 seconds.	Every minute
770								
771								
7	85	12	White, with vertical red stripes.	75	Lantern			
773	29 10	3	Circular; stone; white Pole	23	Lanterns	1877	In line lead to anchorage.	
774	79	14	Quadrangular			1864		Every 40 seconds; alternate red and white.
775								

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
776	Los Roques	Second hill from E. end of El Roque.	11 58 15	66 38 31	1	Rev.	Every minute
777	Cumana	Near custom-house	10 23 —	64 20 —	1	F.	
778	Carupano	On a hill in front of town	10 40 15	63 18 —	1	F.	
779							
780	Trinidad	Port España, on jetty	10 38 40	61 31 0	1	F.	
781							
782		Icacos point, SW. extremity			1	F.	
783							
784	Tobago	Scarborough, Bacolet, or Red point.	11 10 0	60 44 —	1	F.	
785							
786	Demerara	Light-vessel, in 19 feet; Demerara light-house S. 28° 30′ W., distant 12 miles.	6 59 30	58 5 30	1	F.	
787							

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
776	208	15	Four iron columns on a masonry base, surmounted by a platform on which the lantern is fixed.	58	D., 3d ord.	1875	Not to be depended upon.
777		5 to 6	On staff		Lamp		
778		3					*Building.* The tower now serves as a day-mark.
779							
780	50	15	Hexagonal	43	D., 4th ord.	1841	Visible between the bearings NE. by N. and SE.
781							
782	39	5	White mast		Lantern	1876	
783							
784	115	12	Pentagonal; red and white.	57	D.		Visible between the bearings ENE. and SW. by W. A beacon on the beach and on the hill-side when in line lead from seaward toward the red buoy; a RED light is shown on top of each when mail steamers are expected.
785							
786	30	10	Red, with one mast about 60 feet high, and a blue flag by day; "GUIANA" on her sides.			1844	Pilots for Demerara and Essequibo rivers are on board. Vessels should avoid passing to southward of the light-vessel.
787							

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
788	DEMERARA—Cont'd	Georgetown, E. side of entrance.	6 40 20	58 11 30	1	In same tower.	Rev.	Every minute
789					1		F. red.	
790	BERBICE	Light-vessel, moored close to E. point of entrance, in 22 feet of water.	6 29 10	57 23 45	1		F.	
791								
792	SURINAM	Light-vessel off Brams point, NW. by N. about 4 1/16 miles, and about 3/16 mile N. from outer black buoy.	6 1 12	55 17 6	1		F.	
793								
794								
795	MARONI RIVER, DUTCH and FRENCH GUIANA.	W. side of entrance, point Galibi or Kaimar head.	5 43 0	54 0 3	1		F.	
796								
797		E. side of entrance, Hattes (Française) point.	5 42 30	53 56 20	1		F.	
798								

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
Every minute	788	103	16	Octagonal; red and white vertical stripes.	100	D., 4th ord.	1829	
	789	------	3 to 4	----------	------	----------	1879	Visible between the bearings S. by E. and SE. NOTE.—When this RED light is in sight a vessel will be to the westward and clear of the end of the breakwater.
	790	30	10	A ball on the foremast; roofed over, with a jigger-mast aft; "BERBICE" on her sides; carries a white flag with a red ball in center.	------	----------	1850	The light bearing S SW., in 4 fathoms, is the fairway into the harbor. A sloop pilot-boat cruises outside the bar constantly, carrying a white flag with "PILOT" inscribed thereon.
	791							
	792	25	4	Red; two masts; yellow ball at foremast-head; "NURINAM" on her sides.	------	C., 6th ord.	1858	
	793							
	794							
	795	75	10	Pyramidal; white	70	D., 4th ord.	1871	Visible between the bearings S. 8° E. and S. 82° W., over an arc of 90°.
	796							
	797	75	10	Pyramidal; white	------	D., 4th ord.	1871	Visible between the bearings E. by N. (through S.) and W. by S. There is a *time-signal station* at Paramaribo. The signal is made on board the guardship *Paramaribo* at 0h. 0m. 0s. Paramaribo mean time, or 3h. 40m. 51.6s. Greenwich mean time.
	798							

NEW GRANADA, VENEZUELA, AND GUIANA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			N. ° ′ ″	W. ° ′ ″			
799	CAYENNE	Salut islets, on W. end of Royale island, on summit of hospital.	5 16 50	52 34 58	1	F.	
800							
801		Enfant Perdu, on a rock, 6 miles N. of Cayenne.	5 2 40	52 21 20	1	F.	
802							
803		Angle of infantry barracks	4 56 10	52 18 37	1	F. green.	
804		Cépérou fort	4 56 20	52 20 10	1	F.	
805		End of jetty			1	F. red.	
806							
807							

BRAZIL.

				S.	W.				
808	PARA RIVER.	Braganza shoal lt.-vessel.	1¼ miles N. from shoal, in 16 fathoms of water.	0 26 9	47 54 0	1		Rev.	Every 5 minutes; eclipsed 5 secs. every minute.
809		Gaivotas island	Entrance to Para river	0 35 20	48 1 10	1		F.	

NEW GRANADA, VENEZUELA, AND GUI. A—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or tower.	Height of tower from base to focal plane.	Character and order of illuminating-apparatus.	Year lighted.	Remarks.
799	197	13			C.	1864	A rock of 12 feet lies 2,078 yards N. by W. ¼ W. from light-house.
800							
	61	7	Wooden frame		C.	1864	
802							
803	69	8			C.	1850	The GREEN light is obscured westward of the bearing SW. ¼ S. These two lights in one lead over the *Almable rock*, which is avoided by passing W. of this line.
804	130	10	Wooden frame	40	C.	1862	
805	39				C.	1862	
806							
807							

BRAZIL.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or tower.	Height of tower from base to focal plane.	Character and order of illuminating-apparatus.	Year lighted.	Remarks.
808	33	8	Iron; one mast		C.	1868	Greatest caution necessary, as light-vessel is so small that she cannot be distinguished at any material distance, and is barely reliable at night, especially in rough weather. Ships coming from the eastward should, as soon as the light-vessel bears W., steer for her, and, passing N., steer SW. as soon as they have rounded her. *Out of position in November, 1880.* Bell-buoy on wreck between Fort da Barra and the city of Para.
809	41	11	Iron column, on keeper's dwelling.	32	D., 6th ord.	1880	Visible around horizon.

Interval of revolution or flash.

Every 5 minutes; eclipsed 5 secs. every minute.

BRAZIL—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.			
810	PARA RIVER—Continued.	Chapeo Virado	On point	1 7 45	48 27 —	1	F.	
811		Fort da Barra				1	F.	
812		Cotijuba	On island	1 15 35	48 37 0	1	F.	
813								
814		Marianno	On Guajará island	1 47 30	49 28 —	1	F.	
815								
816		Capim	On island	1 32 20	48 51 —	1	F.	
817								
818		Panacuera	Mouth of the river Tocantins.	1 44 30	49 5 0	1	F.	
819								
820		Goyabal	On point	1 37 —	49 12 —	1	F.	
821								

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
810	------	7	Iron column	------	D., 6th ord.	1872	
811	------	7	Iron column	------	—, 6th ord.	------	
812	------	7	Iron column	------	D., 6th ord.	1860	
813							
814	------	7	Iron column	------	D., 6th ord.	1860	
815							
816	------	7	Iron column	------	D., 6th ord.	1860	
817							
818	------	7	Iron column	------	------	1860	
819							
820	------	7	Iron column	------	D., 6th ord.	1	
821							

BRAZIL—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				S. ° ′ ″	W. ° ′ ″			
822	PARA RIVER—Continued.	Jutahy	On island	1 51 —	49 54 —	1	F.	
823								
824		Atalaia point	On point	0 34 —	47 17 9	1	F. & Fl.	Every 2 minutes.
825								
826	MARANHAM.	Itacolomi	On point	2 10 10	44 24 45	1	Rev., red and white.	Visible 50 sec's; eclipse 50 sec's; alternate red and white flashes.
827								
828		Alcantara	On point	2 25 0	44 22 0	1	F.	
829								
830		San Luiz	San Marcos fort	2 29 0	44 18 0	1	F.	
831								
832		Santo Antonio da Barra.	Santo Antonio fort	2 29 30	44 19 39	1	F.	
833								
834		Santa Anna	E. part of island	2 16 30	44 38 25	1	Rev.	Every 32 seconds

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
822	------	7	Iron column	------	D., 6th ord.	1859	
823							
824	101	15	Circular; stone	40	D., 3d ord.	1852	
825							
826	147	15	Square; stone	75	----------	Re-estab-lished 1868	
827							
828	------	5	----------	------	C.	1860	A guide to the anchorage before Alcantara.
829							
830	------	10	Octagonal; base square; stone.	------	C., 1st ord.	1829	
831							
832	------	5	Stone pillar	------	C.	------	
833							
834	70	14	Square; stone; white	80	C.	1861	

BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
835								
836	PEDRA DO SAL	On point	2 49 19	41 43 15	1		F.	
837								
838	CEARA	Macoripe point	3 42 5	38 27 31	1		Rev.	Every ½ minute
839								
840		Aracaty, at the mouth of river.			1		F.	
841	THE ROCAS	On reef						
842	GONZALO RIVER LIGHT-VESSEL.	Off entrance			1		F.	
843	RIO GRANDE DO NORTE	Fortress of Santos Reis Magos.	5 45 0	35 13 15	1		F.	
844								
845	PEDRA SECCA	Off bar at Cabedello	6 56 30	34 49 21	1		Rev.	Every minute
846								

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
835							
836	20	10	Octagonal; iron	27	D., 4th ord.	1873	
837							
838	85	12	Circular; iron; on an octagonal stone base.	50	C., 4th ord.	1872	
839							
840		10	Circular; stone		D., 5th ord.		
841							*Proposed.*
842	30					1868	
843	43	10	Circular; iron		D., 5th ord.	1860	
844							
845	52	12	Octagonal; iron; on a square base.			1874	
846							

BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
847	OLINDA POINT	Old fort of Monte Negro	8 0 50	34 50 30	1		Int.	
848								
849	PERNAMBUCO	On reef, 50 yards from Picao fort.	8 3 22	34 51 57	1		Rev., white and red.	Every minute; 2 white flashes and 1 red flash in succession.
850								
851	MACEIO	A mile from anchorage, W. part of mountain.	9 39 30	35 39 14	1		F. & Fl.	Fixed 70 sec's; eclipse 16 sec's; flash 12 seco'ds; eclipse 22 sec's.
852								
853	SAN FRANCISCO	N. point of river	10 27 0	36 21 30	1			
854								
855	COTINQUIBA BAR	Watch-tower	11 1 0	37 5 30	1		F., with green and red sec'rs.	
856								
857	ITAPUAN	Piraboca rock, 200 yards from the shore.	12 58 0	38 21 0	1		F.	
858								

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
847	------	10	Square; stone base	------	D., 4th ord.	1872	
848							
849	------	15	Octagonal; stone	------	C.	1824	
850							
851	208	22	Circular; stone; on a square base.	------	D., 3d ord.	1856	
852							
853	69	10	Octagonal; iron	------	D., 4th ord.	1867	
854							
855	115	6 to 9	Octagonal; wood	------	------	1862	WHITE to SE., RED eastward, GREEN southward. Vessels should anchor with RED light in sight, in 4 fathoms; with WHITE or GREEN light in sight do not go into less than 5 fathoms.
856							
857	------	14	Circular; iron	68	------	1873	
858							

BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
859	Bahia, or San Salvador.	Fort San Antonio	13 0 37	38 32 6	1		Rev., white and red.	Every 80 seconds; 2 white flashes and 1 red flash in succession.
860		Fort Santa Maria	13 0 24	38 32 51	1		F.	
861		Fort do Marcello	12 58 16	38 28 8	1		F. red.	
862								
863	Morro de Santo Paolo	On Morro	13 22 35	38 51 48	1		Rev.	Every minute
864								
865	Abrolhos isles	Santa Barbara island, highest point.	17 57 42	38 41 30	1		Rev.	Every minute; duration of flash 11 seconds.
866								
867	Espirito Santo bay	On Santa Luzia point	20 18 20	40 15 15	1		F.	
868								
869								
870	Cape Frio	Focinho do Cabo point	23 0 42	41 57 4	1		Rev.	Every 1½ minutes
871								

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
859	140	18	Circular; stone		D.	1823	Obscured by the land until it bears southward of W NW. ¼ W
860		6			D., 6th ord.		
861		4				1864	
862							
863	276	20	White	80	D., 1st ord.	1854	Inside of eight miles the eclipses are not total.
864							
865	189	17	Iron; circular; surrounded by keeper's dwelling.	51	C., 1st ord.	1861	Inside of seven miles the eclipses are not total.
866							
867	66	12	Iron	38	D., 4th ord.	1871	To clear the rock Baixa Grande, be careful not to bring the light to bear S. 66° W.
868							
869							
870	522	25	Circular; iron; light stone color.	53	C., 1st ord.	1861	Visible between the bearings SW. and E., over an arc of 225°.
871							

BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
872	RAZA	On island	23 5 45	43 8 17	1		Rev., red and white.	Every 2½ minutes; 2 white and 1 red face alternately.
873								
874	RIO DE JANEIRO	Fort Santa Cruz, E. entrance	22 56 36	43 7 17	1		F.	
875								
876		Calhabouco point			1		F. red.	
877								
878	SANTOS	Moela island	24 2 0	46 13 0	1		F.	
879	PARANAGUA BAY	On fort, Isle do Mel	25 30 57	48 19 20	1		F.	
880		On summit of Morro das Conchas (Conxas), on NE. part of Isle do Mel.	25 32 38	48 18 20	1		F.	
881								
882	INHATOMIRIM	Fort Santa Cruz	27 25 32	48 33 56	1		F.	
883								

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
872	315	12	Square; stone; white	50	C.	1828	
873							
874	------	6	------	------	C.	1839	Time-signal station at observatory on Castello hill, Rio de Janeiro.
875							
876	------	2	Iron column	------	Gas	1856	
877							
878	334	24	Circular; white stone	40	C., 1st ord.	1831	Not always lighted.
879	47	6	------	30	C.	1875	Visible between NW. ¼ N., through W. and S., to S SE. ¼ E.
880	262	20	Circular; iron; white	72	D., 3d ord.	1872	
881							
882	123	9	Stone pillar	------	D.	1874	
883							

BRAZIL—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.			
884	SANTA CATHARINA ISLAND.	Punta dos Naufragados, S. point.	27 49 30	48 32 30	1	Rev.	Every minute
885							
886	RIO GRANDE DO SUL	N. point of entrance, $1\frac{1}{16}$ miles from extremity of point.	32 7 15	52 4 25	1	Rev.	Every 2 minutes; eclipse 50 sec's.
887							
888	PATOS LAKE. Surengonea	On island	31 44 0	52 9 40	1	F.	
889							
890	Estreito	On point	31 48 30	51 50 0	1	F.	
891							
892	Bojurú	On point	31 35 0	51 38 0	1	F.	
893							
894	Cape Marca	On cape			1	F.	
895							

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
884	149	18	Circular; stone		C., 2d ord.	1861	Coming from northward not visible until bearing W. by N.
885							
886	96	14	Circular; iron		C., 2d ord.	1833	
887							
888						1860	
889							
890		6	Wood			1860	
891							
892		13	Stone; square		C.	1860	Harbor lights.
893							
894	54	12	Iron; white	47	D., 4th ord.	1860 rob'lt 1881	
895							

BRAZIL—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.				
896	Patos lake—Continued.	Christovao	On point	31 26 0	51 24 0	1		F.	
897									
898		Barba Negra	On isle	30 37 0	51 15 0	1		F.	
899									
900									

URUGUAY, BUENOS AYRES, AND PATAGONIA.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
901	Rio de la Plata.	Cape Polonio	On cape	34 24 0	53 47 20	1		F.	
902		Cape Santa Maria	On cape	34 40 30	54 9 26	1		Rev.	Every minute
903		San José Ignacio point.	On point	34 51 0	54 40 0	1		F.	
904		Maldonado bay	E. point	34 58 15	54 54 23	1		F.	
905									
906		Flores	On island	34 56 55	55 55 —	1		Rev.	Every minute; eclipse (approx.) 15 seconds.
907		Punta Brava	On point, 200 yards N. of Punta Brava reef.	34 56 —	56 10 21	1		F.	

BRAZIL—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
896	------	15	Stone	------	C.	1860	Harbor lights.
897							
898	------	12	Stone	------	------	1860	
899							
900							

URUGUAY, BUENOS AYRES, AND PATAGONIA.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
901	131	18 to 20	Gray stone; three white horizontal bands.	------	------	------	
902	132	18	Round; stone tower	125	D., 1st ord.	1874	
903	103	15	------	------	—, 2d ord.	1877	To be changed to a fixed RED light.
904	152	20	------	90	D., 1st ord.	1860	To be removed to its former position on Lobos island. Obscured by the top of Lobos island on a NW. bearing, at a distance of 9 miles from that island, and at a height of 23 feet.
905							
906	104	12	White	65	C.	1833	Telegraphic communication with the office of the Captain of the Port of Monte Video.
907	70	12	White; attached to keeper's dwelling.	82	—, 3d ord.	1876	

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.				
908	RIO DE LA PLATA—Continued.	English bank light-ship.	N. part of bank, in 7 fathoms.	35 7 30	55 52 15	1		F.	
909		English bank	N. extremity of bank			1		F.	
910		Monte Video	W. side of harbor, on mount.	34 53 15	56 14 36	1		F. & Fl.	A flash every 3 minutes for 15 seconds; flash preceded and followed by a short eclipse.
911									
912			End of breakwater, on San José point.			1		F. red.	
913									
914			Cathedral, S. tower	34 54 20	56 12 58	1		F.	
915									
916		Panela shoal light-ship.	Two hundred yards N NW. ¼ W. of shoal.	34 54 0	56 26 0	1		F.	
917									
918		Point Indio light-ship.	NE. ¼ N., 11 miles from Indio point, in 3¼ fathoms.	35 8 30	57 8 30	1		F.	
919									

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Character of light.	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		908		8	Red, with three masts			1857	Position not *always* to be depended on. A bell-boat is anchored on E. side of English bank, in 3 fathoms of water. Vessels should pass to the north and east of the light-vessel.
F.		909			Iron		D., 1st ord.		With Flores island light marks the width of the channel, which is here about 11 miles wide. *Building. Will probably be exhibited about March, 1882.*
& Fl.	A flash every 3 minutes for 15 seconds; flash preceded and followed by a short eclipse.	910	486	25	Brown	25	C., 1st ord.	1852	
		911							
red.		912	16		Wooden post			1870	Doubtful—reported never lit.
		913							
F.		914	147					1862	Dial-plate of clock in the S. tower of cathedral lighted by gas, which enables vessels to anchor by cross-bearings by night.
		915							
F.		916	17	5				1866	
		917							
F.		918	33	10	Two masts; black; black ball at mainmast-head.			1849	When pilots are on board, a RED and WHITE diagonal flag is hoisted. The vessel is frequently passed without being seen, owing to the mist about the horizon. After bad weather the position of this light is not to be depended upon.
		919							

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.	Name.		Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.				
920	RIO DE LA PLATA—Continued.	Chico bank light-ship.	NE. by E. from point Atalaya, 11¼ miles, in 4¼ fathoms.	34 45 45	57 30 10	1		F.	
921									
922		Colonia	SW. angle of plaza	34 28 10	57 49 42	1		Rev.	Every 3 minutes
923		Farallon island	On island	34 29 —	57 57 —	1		F.	
924		Buenos Ayres	In 2¼ fathoms; guard-ship, outer roads.	34 34 30	58 16 0	1		F.	
925									
926			Custom-house tower			1		F.	
927									
928		Martin Garcia	On island	34 11 10	58 13 30	1		F.	
929									
930	FALKLAND ISLANDS		Cape Pembroke	51 40 40	57 41 48	1		F.	
931									

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Character of light.	Interval of revolution or flash.
F.	
Rev.	Every 3 minutes.
F.	
F.	
F.	
F.	
F.	

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
920	20	10	Two masts; red			1857	After bad weather the position of this light is not to be depended upon.
921							
922	110	10	Dull brick			1846	
923	84	13	White	98	—, 2d ord.	1876	
924	About 20	7	Three masts		C.	1857	
925							
926							
927							
928							
929							
930	110	14	Circular; iron; white and red bands.	60	C., 1st ord.	1855	Seen from seaward in every direction.
931							

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
932								
933		Dungeness point	52 23 55	68 25 40	1		F	
934		Delgada point	52 27 55	69 32 10	1		F. & Fl.	Every ½ minute
935		Morro Nuñez, 855 yards W. of Morro.	52 29 30	69 36 0	1		F. & Fl.	
936		Cape Gregory	52 39 30	70 12 15	1		F.	
937		Cone hill	52 40 15	70 22 40	1		F. & Fl.	
938	MAGELLAN STRAIT	Sandy point, outer end of point.	53 8 10	70 50 50	1		F. & Fl.	Every minute
939		Punta Arenas, Sandy point; block-house.	53 9 30	70 53 37	1		F.	
940		Twenty feet west of flag-staff.			1		F. red.	
941		Cape San Isidro	53 46 0	70 58 0	1		F.	
942		Cape Quod, on reef near by	53 32 0	72 33 15	1		F. & Fl.	Every 2 minutes
943		Cape Upright, on rock NE. of Cape Sentinel island.	53 7 0	73 32 15	1		F.	
944		Evanjilista island	52 23 15	75 10 —	1		F. & Fl.	Every minute

URUGUAY, BUENOS AYRES, AND PATAGONIA—Continued.

Number.	Height of light above sea level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of lamp from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
932							
933							*Proposed.*
934					—, 3d ord.		*Proposed.*
935					—, 2d ord.		*Proposed.*
936					—, 2d ord.		*Proposed.*
937					—, 2d ord.		*Proposed.*
938					—, 4th ord.		*Proposed.*
939	78	10	Quadrangular pyramid	50		1879	The light is 41 feet above the ground. Visible between the bearings N. 19° W. (over W.) and 52° W. *Said to be visible* only 5 miles.
940	69	3	Cupola, supported by two vertical poles.	20	D., 6th ord.	1877	Indicating anchorage when in line with main light.
941					—, 5th ord.		*Proposed.*
942					—, 4th ord.		*Proposed.*
943					—, 5th ord.		*Proposed.*
944					—, 1st ord.		*Proposed.*

WEST COAST OF SOUTH AMERICA.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
945	HUAFO ISLAND	NE. point	43 34 30	74 36 —	1		F. & Fl.	Every ½ minute
946	HUACANEC ISLAND	N. point	43 46 50	73 59 35	1		F. & Fl.	Every 3 minutes
947	WESTOFF ISLAND		43 54 40	73 46 30	1		F.	
948	CAPE GUABUN		41 48 10	74 3 15	1		Alt.	Every 20 seconds
949								
950	CHILOE ISLAND	San Carlos de Ancud; Huapilacuay, or Punta Corona, N. part.	41 46 40	73 52 55	1		F. & Fl.	Every 2 minutes
951								
952		Aguy point, telegraph station, San Carlos de Ancud.	41 49 30	73 51 0	1		F.	
953		On large mole, San Carlos de Ancud.	41 51 30	73 50 0	1		F. red.	
954		Point San Gallan, N. end	41 47 40	73 32 0	1		F. & Fl.	Every 2 minutes
955	LACAO ISLAND	N. part	41 47 40	73 36 30	1		F. red.	
956	ABTAO ISLAND	SE. bank, off island	41 49 30	73 19 0	1		F.	
957	QUENU ISLAND	Point Pinto, Ancud gulf	41 48 15	73 11 15	1		F. red.	

WEST COAST OF SOUTH AMERICA.

Character of light.	Interval of revolution or flash.
& Fl.	Every ⅛ minute
& Fl.	Every 3 minutes
F.	
lt.	Every 20 seconds
& Fl.	Every 2 minutes
F.	
red.	
& Fl.	Every 2 minutes
red.	
F.	
red.	

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
945					—, 3d ord.		*Proposed.*
946					—, 4th ord.		*Proposed.*
947					—, 5th ord.		*Proposed.*
948					—, 2d ord.		
949							
950	203	15	Circular; white; lantern green.	32	D., 4th ord.	1859	When the light bears SE. by E. vessels may haul to southward.
951							
952		2				1871	Serves as a guide to the anchorage.
953							*Proposed.*
954					—, 6th ord.		*Proposed.*
955							*Proposed.*
956			Light-vessel		—, 6th ord.		*Proposed.*
957							*Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
958	PULUQUI ISLAND	Point San Ramon, Ancud gulf.	41 44 30	73 3 30	1		F. red.	
959								
960	MAILLEN ISLAND	E. point	41 36 45	72 57 30	1		F. & Fl.	Every 2 minutes
961								
962	PUERTO MONTT	Center of town	41 20 30	72 54 —	1		F. red.	
963								
964	CAUCAHUE ISLAND	Lobos point, Ancud gulf	42 4 —	73 23 30	1		F. & Fl.	Every 3 minutes
965								
966	CHAUQUE ISLAND	NW. bank, Ancud gulf	42 14 10	73 17 0	1		F. red.	
967								
968	TRANQUE ISLAND	Centinela point, Cordova gulf.	42 59 10	73 19 20	1		F. red.	
969								
970	POINT GALERA	On extreme S. point	40 1 30	73 44 10	1		F. & Fl.	Every minute
971								

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
958							*Proposed.*
959							
960					—, 6th ord.		*Proposed.*
961							
962					—, 6th ord.		Leading light.
963							
964					—, 6th ord.		*Proposed.*
965							
966			Light-vessel		—, 6th ord.		*Proposed.*
967							
968							*Proposed.*
969							
970	180	20 to 30	Round; brick; white; base gray, cupola green, rail black.	62	D., 24 ord.	1876	Obscured between the bearings South and S. 10° 30′ W. by the Valdivia hills.
971							

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and their positions.	Characters of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.			
972	CAPE QUEDAL		41 3 0	73 58 —	1	F. & Fl.	
973	VALDIVIA	Niebla Fort point	39 53 7	73 25 5	1	Rev. red.	Every 3 minutes
974		Laurel point	39 52 40	73 24 30	1	F. red.	
975	QUEULE BAY	Queule point	39 23 —	73 14 —	1	F. & Fl.	Every 2 minutes
976	MOCHA ISLAND	S. point	38 25 0	73 54 0	1	F. & Fl.	Every 2 minutes
977		N. point	38 19 35	73 56 50	1	F. & Fl.	Every minute; prolonged flash.
978	PORT LEBU	On mole	37 35 10	73 40 —	1	F. & Fl.	Every 3 minutes
979	POINT LAVAPIÉ	On western end	37 9 10	73 35 —	1	F. & Fl. red.	Every 2 minutes
980							
981	SANTA MARIA ISLAND	N. point	36 59 —	73 32 —	1	F. & Fl.	Every minute
982	PORT LOTA	On Morro del Lota	37 5 20	73 11 35	1	F. red.	
983	PORT CORONEL	Puchoco point	37 1 20	73 11 55	1	F. & Fl.	Every 2 minutes
984		On mole	37 2 0	73 10 40	1	F. red.	

WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
	972					—, 3d ord.		*Proposed.*
Every 3 minutes.	973	121	8	Square; wood; white	9	D., 6th ord.	1866	
	974							*Proposed.*
Every 2 minutes.	975					—, 6th ord.		*Proposed.*
Every 2 minutes.	976					—, 4th ord.		*Proposed.*
Every minute; prolonged flash.	977					—, 3d ord.		*Proposed.*
Every 3 minutes.	978					—, 4th ord.		*Proposed.*
Every 2 minutes.	979					—, 6th ord.		*Proposed.*
	980							
Every minute	981					—, 1st ord.		*Proposed.*
	982							*Proposed.*
Every 2 minutes.	983					—, 6th ord.		*Proposed.*
	984							*Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
985	TALCAHUANO	Viuda island	36 42 45	73 6 45	1		F. red.	
986		Quiriquina island, Concepcion bay.	36 36 45	73 3 25	1		Rev.	Every ½ minute; flash 9 seconds; eclipse 21 sec's.
987								
988	PORT TCMÉ	On mole	36 35 10	72 58 40	1		F. red.	
989	CAPE CARRANZA		35 37 50	72 39 30	1		F. & Fl.	Every minute
990	PORT CONSTITUCION	Sentinel hill	35 37 —	72 26 —	1		F. & Fl. red.	Every 2 minutes
991	CHURCH ROCK		35 19 40	72 24 50	1		F. red.	
992	JUAN FERNANDEZ ISLAND	On mole, Cumberland bay			1		F.	
993	TOPOCALMA POINT	W. point	34 11 10	72 2 —	1		F. & Fl.	Every 4 minutes
994	TORO POINT	NW. point	33 16 40	71 48 —	1		F.	
995	PORT SAN ANTONIO		33 37 —	71 39 —	1		F. red.	
996	CURAUMILLA	NW. point	35 6 —	71 41 20	1		F. & Fl.	Every minute

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
985							*Proposed.*
986	213	15	Circular; white; lantern and dome green.	36	D., 4th ord.	1869	Only visible to the northward of the bearing NE. by E. ¼ E.
987							
988							*Proposed.*
989					—, 3d ord.		*Proposed.*
990					—, 4th ord.		*Proposed.*
991							*Proposed.*
992		4 to 5				1878	Established by the lessees of the island.
993					—, 4th ord.		*Proposed.*
994					—, 5th ord.		*Proposed.*
995							*Proposed.*
996					—, 1st ord.		*Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution.
			° ′ ″ S.	° ′ ″ W.				
997	VALPARAISO	Angeles, or Playa Ancha point.	33 1 30	71 38 40	1		F. & Fl.	Every 2 minutes; flash preceded and followed by a short eclipse.
998		End of mole, west side of bay.			1		F. red.	
999								
1,000		Esplanade in front of the Exchange.			1		Rev., red, white, and blue.	Every 16 seconds.
1,001	QUINTERO	Liles point	32 45 50	71 32 50	1		F. & Fl. red.	Every 2 minutes.
1,002								
1,003	PAPUDO	Zapallar point	32 30 9	71 27 57	1		F. & Fl. red.	Every 3 minutes.
1,004	PICHIDANQUE	Locos island	32 7 55	71 32 45	1		F. & Fl. red.	Every minute.
1,005	VILOS ROAD	Huevos island, N. point	31 54 35	71 33 15	1		F. red.	
1,006	CAPE TABLA		31 51 40	71 35 —	1		F. & Fl.	Every ½ min.
1,007	LENGUA DE VACA	N. point	30 14 30	71 38 30	1		F. & Fl.	Every [illegible] with [illegible] flash.
1,008	TONGOY	S. point	30 15 —	71 31 30			F. red.	
1,009	HERRADURA DE COQUIMBO	N. point	29 58 —	71 22 [illegible]	1		F. red.	

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
997	180	16	Circular; white	49	D., 4th ord.	1838	In coming from the southward the light does not open off Curaumilla point until it bears to eastward of N. 46° 30′ E.
[illegible]							*Proposed.*
[illegible]							
1,000	39	5	Iron column	32	D., 6th ord.	1874	Leading light for inner harbor.
[illegible]					—, 6th ord.		*Proposed.*
[illegible]							
[illegible]					—, 6th ord.		*Proposed.*
1,001					—, 6th ord.		*Proposed.*
[illegible]							*Proposed.*
[illegible]					—, 6th ord		*Proposed.*
[illegible]					—, 4th ord.		*Proposed.*
[illegible]							*Proposed.*
[illegible]							*Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ W.				
1,010	Coquimbo Bay	Farallon			1		F. & Fl. red.	Every minute
1,011		Tortuga point	29 56 15	71 21 5	1		Fl.	Every 15 seconds.
1,012		On mole	29 56 50	71 20 10	1		F. red.	
1,013	Pajaros Island	On largest island	29 35 —	71 33 —	1		F.	
1,014								
1,015	Port Tortoralillo	On island, off N. outer point	29 29 —	71 20 30	1		F. red.	
1,016	Chañeral	On island	29 1 30	71 36 —	1		F. & Fl.	Every 3 minutes.
1,017	Sarco Bay	W. point	28 49 45	71 30 —	1		F.	
1,018	Peña Blanca	S. end	28 43 —	71 23 —	1		F. red.	
1,019	Huasco	On point	28 28 30	71 18 45	1		F. & Fl. red.	Every minute
1,020		On mole	28 27 30	71 15 45	1		F. red.	
1,021	Herradura point		28 10 —	71 13 15	1		F. & Fl.	Every minute
1,022	Carrisal bajo	W. point	28 4 —	71 11 45	1		F. red.	

Number.	Height of light above sea-level.
1,010	
1,011	98
1,012	
1,013	
1,014	
1,015	
1,016	
1,017	
1,018	
1,019	
1,020	
1,021	
1,022	

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,010					—, 6th ord.		*Proposed.*
1,011	98	12	Square; white; cupola green.	25	D., 4th ord.	1868	Hidden until bearing NE. by E. ½ E.
1,012							*Proposed.*
1,013					—, 5th ord.		*Proposed.*
1,014							
1,015							*Proposed.*
1,016					—, 4th ord.		*Proposed.*
1,017							*Proposed.*
1,018							*Proposed.*
1,019					—, 5th ord.		*Proposed.*
1,020							*Proposed.*
1,021					—, 6th ord.		*Proposed.*
[illegible]							*Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
1,023	MEDIA POINT	On Caldera point	27 11 —	71 1 —	1		F. & Fl.	Every 20 seconds.
1,024								
1,025	CALDERA	On large mole	27 3 15	70 52 45	1		F.	
1,026		On point	27 3 15	70 53 0	1		F. & Fl.	Every 1½ minutes.
1,027		W. point	27 3 0	70 51 30	1		F. red.	
1,028								
1,029								
1,030	CABEZA DE VACA	On point	26 50 45	70 52 30	1		F. & Fl.	Every 80 seconds.
1,031								
1,032	CHAÑERAL DE LAS ANIMAS.	On Iñieles point	26 23 30	70 45 —	1		F. & Fl.	Every minute.
1,033		On Peña Blanca point	26 21 30	70 41 45	1		F. red.	
1,034								

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.	Interval of revolution or flash.
1,023					—, 4th ord.		*Proposed.*	Every 20 seconds.
1,024								
1,025					—, 6th ord.		*Proposed.*	
1,026	88	15	Square; wood; white; rail black; lantern green.	42	D., 4th ord.	1868	Cannot be seen to the southward of NE. ¼ N.	Every 1½ minutes.
1,027							*Proposed.*	
1,028								
1,029								
1,030					—, 4th ord.		*Proposed.*	Every 80 seconds.
1,031								
1,032					—, 6th ord.		*Proposed.*	Every minute.
1,033							*Proposed.*	
1,034								

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
1,035	SUGAR LOAF ISLAND	On NW. point	26 8 30	70 44 30	1		F. & Fl.	Every 2 minutes
1,036		In cove, on end of a large mole.	26 8 30	70 42 45	1		F. red.	
1,037	SAN PEDRO POINT	On western point	25 30 45	70 42 —	1		F. & Fl. red.	Every minute
1,038								
1,039	TALTAL	On Taltal point	25 24 30	70 35 —	1		F. red.	
1,040	ANTOFAGASTA	Small tower, on house of Captain of the Port.	23 41 0	70 25 0	1		F. red.	
1,041	IQUIQUE	Near center of Iquique island.	20 12 30	70 11 20	1		F. & Fl.	Every ½ minute
1,042								
1,043	ARICA		18 28 6	70 20 30	1		Rev.	Every 2 minutes
1,044	COLES POINT		17 42 —	71 23 —	1		Rev.	Every minute
1,045	TAMBO DE MORA				1		F. red.	
1,046	MOLLENDO HARBOR	On promontory	17 1 —	72 0 —	1		F.	
1,047	ISLAY		17 0 —	72 17 —	1		F.	

Number.	Height of light above sea-level.
1,035	
1,036	
1,037	
1,038	
1,039	
1,040	29
1,041	95
1,042	
1,043	
1,044	
1,045	
1,046	117
1,047	

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,035					—, 6th ord.		*Proposed.*
1,036							*Proposed.*
1,037					—, 6th ord.		*Proposed.*
1,038							
1,039							*Proposed.*
1,040	29	3				1879	Marks channel from road and boat landing. Shown from sunset to midnight, but when steamers are expected burns all night. Visible between S SE. and E NE.
1,041	95	18	Iron tower; white	72		1878 re-lig'd 1880	Illuminating an arc of 180°.
1,042							
1,043		17			—, 4th ord.		Illuminating an arc of 122°. *Proposed.*
1,044		20			—, 3d ord.		Illuminating an arc of 225°. *Proposed.*
1,045		6			—, 4th ord.		Illuminating an arc of 180°. *Proposed.*
1,046	117	3	On flag-staff	65			
1,047		15			—, 4th ord.		Illuminating an arc of 190°. *Proposed.*

WEST COAST OF SOUTH AMERICA Continued.

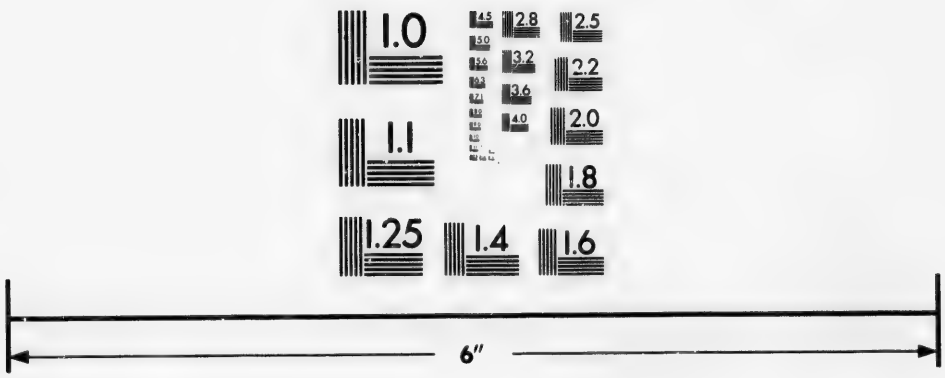
Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
1,048	SAN JUAN		15 20 42	75 10 —	1		Rev.	Every 2 minutes.
1,049	SANGALLAN ISLAND		13 50 —	76 28 —	1		Rev.	Every minute.
1,050	PISCO	End of mole	13 43 —	76 15 —	1		F.	
1,051								
1,052	PALOMINOS ISLAND		12 8 —	77 15 —	1		Rev.	Every minute.
1,053	CALLAO	San Lorenzo island, N. point	12 4 0	77 16 30				
1,054		Approaches to landing-place				on the right and 1 on the left.	F. red	
1,055		Dock-wall, east part of bay			1		F	
1,056		Galera point	12 5 —	77 15 —	1		F. green.	
1,057	HUERMIGAS ISLAND				1		Rev.	Every 2 to 3 minutes.
1,058	MACORQUE ISLAND		11 24 —	77 11 —	1		F.	
1,059	HUACHO HEAD		11 9 —	77 40 —	1		F. red.	
1,060	CASMA BAY		9 28 —	78 23 —	1		F. red.	

WEST COAST OF SOUTH AMERICA—Continued.

Interval of revolution or flash.
Every 2 minutes.
Every minute.
Every minute
Every 2 to 3 min's.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,048		17			—, 4th ord.		Illuminating an arc of 180°. *Proposed.*
1,049		26			—, 2d ord.		Shows a RED sector over Chincha island and Pinórro rock. *Proposed.*
1,[illegible]							Illuminating an arc of 180°. *Proposed.*
1,051							
1,052		20			—, 2d ord.		*Proposed.*
1,053							*Removed in 1881.*
1,054					Gas	1879	
1,055						1879	
1,056							*Proposed.*
1,057		20			—, 3d ord.		*Proposed.*
1,058		10			—, 5th ord.		*Proposed.*
1,059		6			—, 6th ord.		Illuminating an arc of 180°. *Proposed.*
1,060		6			—, 6th ord		Illuminating an arc of 150°. *Proposed.*

IMAGE EVALUATION
TEST TARGET (MT-3)



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WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.				
1,061	SAMANCO HEAD		9 16 —	78 31 —	1		F.	
1,062	FERROL, (Port Chimbote)	Chimbote point	9 5 —	78 35 —	1		F. red.	
1,063	GUAÑAPE				1		F.	
1,064								
1,065	SALAVERRY	On slope of hill			1		F. red.	
1,066	PACASOMAYO POINT		7 25 —	79 38 —	1		Rev.	Every 2 minutes.
1,067	ETEN POINT		6 55 —	79 51 42	1		F. red.	
1,068	LOBOS DE AFUERA	On island	6 57 48	80 41 —	1		Rev.	Every ½ minute.
1,069	SAN JOSÉ				1		F.	
1,070								
1,071	FOCA ISLAND		5 14 —	81 11 —	1		F. red.	
1,072								
1,073	PAYTA		5 5 —	81 8 —	1		F.	

WEST COAST OF SOUTH AMERICA—Continued.

Character of light	Interval of revolution or flash.	Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
F.		1,061		6			—, 6th ord.		Illuminating an arc of 180°. *Proposed.*
F. red.		1,062		6			—, 6th ord.		Illuminating an arc of 240°. *Proposed.*
F.		1,063		6			—, 6th ord.		*Proposed.*
		1,064							
F. red.		1,065		6	Iron scaffolding		—, 6th ord.		Illuminating an arc of 180°. *Uncertain if lighted.*
Rev.	Every 2 minutes.	1,066		17			—, 4th ord.		Illuminating an arc of 180°. *Proposed.*
F. red.		1,067		6					Illuminating an arc of 150°. *Proposed.*
Rev.	Every ½ minute.	1,068		26			—, 2d ord.		*Proposed.*
F.		1,069		6					Illuminating an arc of 140°. *Proposed.*
		1,070							
F. red.		1,071		13			—, 4th ord.		Illuminating an arc of 240°. *Proposed.*
		1,072							
F.		1,073		6					Illuminating an arc of 180°. *Proposed.*

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.		Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.				
1,074	TUMBEZ		Malpelo point	3 30 42	80 28 12	1		Rev.	Every 2 minutes.
1,075	GUAYAQUIL.	Santa Clara island	Summit of island	3 10 45	80 24 31	1		F. & Fl.	Every 30 seconds a 4-second flash.
1,076									
1,077		Puna island	On Punta Arena	3 1 52	80 5 35	1		Rev. red.	Every minute: visible 16 sec's; eclipse 44 sec's.
1,078									
1,079			On Española point	2 47 30	79 54 30	1		F.	
1,080									
1,081			On Mandinga point, ½ a mile E. of Puna village.	2 44 30	79 52 50	1		F.	
1,082									
1,083		Green island	On Green point	2 38 40	79 54 40	1		F.	
1,084									
1,085	MANTA BAY		N. end of town	0 56 46	80 43 10	1		F.	
1,086									

WEST COAST OF SOUTH AMERICA—Continued.

Character of light.	Interval of revolution or flash.
Rev.	Every 2 minutes.
& Fl.	Every 30 seconds a 4-second flash.
v. red.	Every minute: visible 16 sec's; eclipse 44 sec's.
F.	------
F.	------
F.	------
F.	------

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,074	------	17	------	------	—, 4th ord.	------	Illuminating an arc of 180°. *Proposed.*
1,075	256	24	White; green window-shades.	32	D., 3d ord.	1872	
1,076							
1,077	60	12	Square ------	45	D., 4th ord.	1873	
1,078							
1,079	131	9	------	------	D., 5th ord	1875	
1,080							
1,081	124	10	Square; light green------	32	D., 6th ord.	1873	
1,082							
1,083	------	------	------	------	D., 6th ord.	------	*Proposed.*
1,084							
1,085	82	9	Red; iron frame-work ----	26	D.------	1873	Illuminates an arc of 270°. Reported as visible only 4 or 5 miles.
1,086							

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
1,087	ESMERALDA RIVER	On Point Coquito	1 0 0	79 41 0	1		F.	
1,088								
1,089	PANAMA	End of railroad wharf	8 57 0	79 31 0	1		F. red.	
1,090								

CENTRAL AMERICA AND MEXICO, SW. COAST.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
1,091	NICOYA GULF	Punta Arenas	9 58 45	84 45 50	1		F.	
1,092	CORINTHO	N. point of Cardon island	12 27 55	87 7 47	1		F.	
1,093	LA LIBERTAD	W. angle of custom-house	13 30 40	89 15 30	1		F.	
1,094	PORT LA UNION	End of wharf			1		F.	
1,095								
1,096								
1,097	SAN JOSÉ DE ACAJUTLA	Extreme of iron mole	13 37 0	89 45 0	1		F., with red and green sectors.	
1,098								
1,099								

WEST COAST OF SOUTH AMERICA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,087	36	9	Tower; white and rose color.	26		1872	*Temporarily discontinued.*
1,088							
1,089						1870	
1,090							

CENTRAL AMERICA AND MEXICO, SW. COAST.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,091	65	9	White		D., 3d ord.	1856	
1,092	64	12 to 15	Octagonal; wood; white	33		1875	
1,093		6 to 7			Lantern	1872	Shown when mail steamer is expected. Obscured by a building between the bearings of N. by W. and N.N.W. ½ W. Reported position: { Lat. 13° 29′ 0″ N. Long. 89° 19′ 20″ W.
1,094	33	6 to 8				1876	Harbor lights. Reported position: { Lat. 13° 20′ 5″ N. Long. 87° 51′ 5″ W.
1,095							
1,096							
1,097		7 to 8				1872	Shows RED to southward, WHITE in the middle, and GREEN to northward. The best anchorage is in the limit of the WHITE sector. Reported position: { Lat. 13° 34′ 20″ N. Long. 89° 50′ 45″ W.
1,098							
1,099							

CENTRAL AMERICA AND MEXICO, SW. COAST—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.				
1,100								
1,101	ACAPULCO	Summit of Grifo or Roqueta island.	16 49 0	99 52 0	1		F.	
1,102								
1,103	MAZATLAN	Creston island	23 10 36	106 27 —	1		F.	
1,104	LA PAZ	On wharf			2		F. red. F. green.	
1,105								
1,106								
1,107								
1,108								

BRITISH COLUMBIA.

1,109	VANCOUVER ISLAND.							
1,110	VANCOUVER ISLAND.	Race island	On rocks	48 17 36	123 32 15	1	Fl.	Every 10 seconds.
1,111	VANCOUVER ISLAND.	Victoria	Berens island	48 25 24	123 24 —	1	F. blue.	

CENTRAL AMERICA AND MEXICO, SW. COAST—Continued.

Character of light.	Interval of revolution or flash.
F.	
F.	
F. red. green.	
Fl.	Every 10 seconds.
F. blue.	

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,100							
1,101	385	15 or 20				1858	For mail steamers only, when expected.
1,102							
1,103		20	Square; white; rising from the center of a square building, white; lantern red.		—, 4th ord.	1879	
1,104		2 to 3			Lanterns	1881	
1,105							
1,106							
1,107							
1,108							

BRITISH COLUMBIA.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,109							
1,110	118	18	Stone tower, with 5 alternate horizontal bands, black and white.	105	D., 2d ord.	1861	A fog-bell has been established at Race Island light-house Juan de Fuca strait, which will be used as occasion may require. SE. by E., 600 or 800 yards, is a reef having 5 feet water over it.
1,111	44	6 to 7	Square; wood; white; keeper's dwelling attached.	30		1876	Harbor light.

BRITISH COLUMBIA—Continued.

Number		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.			
1,112	VANCOUVER ISLAND—Cont'd.	Esquimalt	Summit of Fisgard island, S. point.	48 26 0	123 27 15	1	F., with red sector.	
1,113								
1,114		Cape Beale	SE. point of entrance to Barclay sound.	48 47 48	125 12 52	1	Rev.	Visible 30 sec's; eclipse 30 sec's.
1,115		ENTRANCE ISLAND	Nanaimo harbor	49 12 50	123 48 45	1	F.	
1,116								
1,117		GULF OF GEORGIA, FRASER RIVER.	Light-vessel, in 10 fathoms, South Sand heads.	49 3 30	123 17 16	1	F.	
1,118								
1,119		BURRARD INLET	On Point Atkinson	49 19 40	123 15 55	1	Rev.	Every minute
1,120								

NORTH PACIFIC ISLANDS.

1,121	SANDWICH ISLANDS.	Hawaii island	Puakaa point, Hilo harbor	19 45 0	155 5 0	1	F.	
1,122			Cook point, Kealakeakua	19 28 0	155 55 0	1	F.	
1,123			Kawaihae	20 (3) —	155 (48) —	1	F.	

BRITISH COLUMBIA—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,112	70	12	Iron; white; lantern red.	57	D., 4th ord.	1860	WHITE when bearing from N. ¼ W. to NW. by W. ¼ W.; RED from NW. by W. ¼ W. to S. ¾ E.; WHITE from S. ¾ E. to SE. ¼ E.; and ECLIPSED from SE. ¼ E. landward to the WHITE limit.
1,113							
1,114	164	19	Square; light stone color	37	C.	1874	Visible between the bearings E. and W NW. ¼ W., over an arc of 163°.
1,115	64	14	Square; wood; white; keeper's dwelling attached.	50	C.	1876	Indicates the entrance to Nanaimo harbor and Departure bay.
1,116							
1,117	70	9	Red, with two masts; on the mainmast is a ball; name in white letters on her sides.		C., 6th ord.	1866	During foggy weather a bell is sounded.
1,118							
1,119	119	15	Square; white; attached to keeper's dwelling.	49	C.	1875	Visible from entrance to Burrard's inlet to an ENE. ¼ E. bearing, over an arc of 87°.
1,120							

NORTH PACIFIC ISLANDS.

1,121	136	10	Small white building, 14 feet high.			1869	Not to be depended on.
1,122							Shown when mail steamer is expected.
1,123	50	10	White			1869	With the light bearing ENE. is good anchorage about ¼ of a mile off shore.

NORTH PACIFIC ISLANDS—Continued.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ N.	° ′ ″ W.				
1,124	SANDWICH ISLANDS—Continued.								
1,125									
1,126		Maui island	Lahaina port (Lahainaluna).	20 52 0	156 35 0	2	Horizontal; 4 feet apart.	F.	
1,127									
1,128		Honolulu, Oahu island.	Inner edge of western reef; the other near the custom-house.	21 17 55	157 52 0	2	¼ mile apart	F. F. green.	
1,129									
1,130									
1,131									
1,132									
1,133									
1,134									
1,135									
1,136									

NORTH PACIFIC ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,124							
1,125							
1,126	------	6	----------	------	----------	1868	The two lights cannot be distinguished as separate lights until within 1¼ miles of the anchorage.
1,127							
1,128	26 28	9 3	----------	------	D., 4th ord.	1869 1869	Visible between the bearings E. and NW. by W. To enter the harbor, bring the two lights in one on a bearing of N. 16° E., which will lead over the bar in 22 feet at low-water spring tides.
1,129							
1,130							
1,131							
1,132							
1,133							
1,134							
1,135							
1,136							

NORTH PACIFIC ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ N.	° ′ ″ W.			
1,137							
1,138							
1,139							
1,140							
1,141							
1,142							
1,143							
1,144							
1,145							
1,146							
1,147							
1,148							
1,149							
1,150							

Number.	Height of light above sea-level.
1,137	
1,138	
1,139	
1,140	
1,141	
1,142	
1,143	
1,144	
1,145	
1,146	
1,147	
1,148	
1,149	
1,150	

NORTH PACIFIC ISLANDS—Continued.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,137							
1,138							
1,139							
1,140							
1,141							
1,142							
1,143							
1,144							
1,145							
1,146							
1,147							
1,148							
1,149							
1,150							

SOUTH PACIFIC ISLANDS.

Number.		Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.		Character of light.	Interval of revolution or flash.
				° ′ ″ S.	° ′ ″ W.				
1,151	SOCIETY ISLANDS.	Tahiti, N. coast	Venus point	17 29 48	149 29 21	1		F.	
1,152									
1,153		Port Papiete				2	S.SE. and N. NW., 1,520 yards apart.	F. red.	
1,154									
1,155			On E. end of a shoal, inside of harbor.			1		F. red.	
1,156									
1,157									
				S.	E.				
1,158	FIJI ISLANDS.	Levuka harbor	Ovalau island	17 40 45	178 49 0	2	E. ½ N. and W. ½ S., 73 yards apart.	F. F. red.	
1,159									
1,160		Suva harbor low light.	On Viti Levu island	18 6 50	178 24 40	1		F. red.	
1,160a		Suva harbor high light.				1		F.	
1,161		NA MBUKALOU	East side of Suva harbor	18 8 10	178 26 10	1		F. green.	
1,162									

SOUTH PACIFIC ISLANDS.

Number.	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,151	82	15	Square; white	72	D., 3d ord.	1868	Visible between the bearings W. by N. and NE. by E. ¾ E.
1,152							
1,153						1869	On beacons, which serve as a leading-mark through the channel, one of which is on the corner of the Battery de l'Embuscade and the other on the side of the hill beyond. Lights not to be depended on.
1,154							
1,155							To the right of the lights which serve as a leading-mark, about ¼ of a mile W NW. from the first light.
1,15							
1,157							
1,158			Pyramidal; white			1871	The lights by night or light-houses by day kept in line lead through the middle of S. entrance passage.
1,159							
1,160		5				1880	The lights bear north and south from each other, distant 1,900 yards, and in line bearing north lead through the channel into Suva harbor. The high light is not visible to the eastward of NW.
1,160	320	8 to 12				1880	
1,161						1881	Not visible south of E. ¼ S. Should be steered for as soon as sighted.
1,162							

SOUTH PACIFIC ISLANDS—Continued.

Number.	Name.	Location.	Latitude.	Longitude.	Number of lights and relative positions.	Character of light.	Interval of revolution or flash.
			° ′ ″ S.	° ′ ″ W.			
1,163							
1,164							
1,165	SUWARROW (Souwaroff)	On wharf	13 16 0	163 3 0	1		
1,166							
1,167							
1,168							
1,169							
1,170							
1,171							
1,172							
1,173							
1,174							
1,175							

SOUTH PACIFIC ISLANDS—Continued.

Number	Height of light above sea-level.	Distance visible, in nautical miles.	Character of light-house or vessel.	Height of tower from base to focal plane.	Character and order of illuminating apparatus.	Year lighted.	Remarks.
1,163							
1,164							
1,165						1876	
1,166							
1,167							
1,168							
1,169							
1,170							
1,171							
1,172							
1,173							
1,174							
1,175							

Abaco
Abrolhos
Abtao isla
Acajutla, S
Acapulo
Aconi poin
Afuera, Lo
Aguy point
Alcantara
Alexander
Algernon r
Allan islan
Alston's po
Amet islan
Amherst, F
Amherst is
Amour poi
Ancud gulf
Ancud, San
Angeles poi
Anguila ca
Annapolis,
Anu harbor
Anticosti is
Antigua isl
Antilles, Gr
Antofogasta
Antoine, St.

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Cornwall canal	241
Coronel port	983 and 984
Coteau du Lac	227
Cotijuba	812
Cotinquiba bar	855
Coxen hole	750
Cox's point	3515
Crab island	287
Cranberry island	418
Cranberry point	458
Crane island	135
Crapaud	363
Creighton's head	442
Creston island	1,103
Crib	235
Croix island, St.	668
Croix, St.	145
Crooked island passage	585 to 587
Cross island	480
Cruz, Cape	635
Cruz, Santa	668
Cruz Santa, Fort	881 and 882
Cruz, Vera	725 to 727
Cuba (N. coast)	599 to 631
Cuba (S. coast)	632 to 643
Cumana	777
Cumberland bay	992
Cupino beach	757
Curaçoa island, Great	767
Curaçoa island, Little	769
Curaumilla	996
D.	
Dalhousie	274
David's Island, St.	871
De la Plata, Rio	907 to 928
Delgada point	934
Demerara	786 to 789
Despair, Cape	248
Devil cove head	8
Devil island	464
Diana cay	613
Digby, or Annapolis	540
Dixon's point	316
Dodding head	41
Domingo, Santo	652 to 659
Dominica island	693
Drew's point	337
Dungeness point	933
E.	
East Beaver island	460
East Ironbound island	476
East point	362
East reef	751
Eddy or Sand point	396
Edward island, Prince	356 to 375
Egg island (Gulf of St. Lawrence)	95
Egg island (Nova Scotia)	462
Elbow cay	585
Elm Tree point	270
El Roque	776

	No.
Enfant Perdu	801
English bank light-ship	908
English bank	909
English cay	741
Enragé, Cape	326
Entrance island	1,115
Entry island	65
Escumenac point	313
Esmeralda river	1,087
España port	780
Española point	1,079
Espirito Santo bay	867
Esprit island, St.	126
Esquimault	1,112
Estreito	890
Etang du Nord	69
Eten point	1,067
Evanjilista island	944

F.

	No.
Falkland islands	930
Fame point	91a
Fanjoy's point	354
Farallon (Chili)	1,010
Farallon island	923
Father point	107
Ferrol (Port Chimbote)	1,062
Ferryland head	33
Fiji islands	1,158 to 1,160a
Fisgard island	1,112
Fishery island	358a
Fish Fluke point	347
Fish island, Big	530
Flat point	420
Flint island	424
Flores island	909
Fluke point, Fish	347
Foca island	1,071
Focinho do Cabo point	870
Fogo island	10
Fort Amherst	25
Fort Augusta	649
Fort da Barra	811
Fort Cipiron	804
Fort Charlotte	713
Fort de France	603 to 607
Fort do Marcello	861
Forteau bay	31
Fort George	721
Fort point (Newfoundland)	17
Fort point (Nova Scotia)	485 and 492
Fort San Antonio	859
Fort Santa Cruz	874 and 882
Fort St. Louis	697
Fort San Marcos	830
Fort Santa Maria	860
Fortune bay	51 to 53
Fourchu, Cape	54
Fox island	305
Française point	307
Francis, Cape St.	707
Francisco, Convent of San	727
Francisco, San (Brazil)	853
Francis port, St.	169
Fraser river	1,117
Frederichstad fort	667
Frio, Cape	870
Fundy, Bay of	323 to 350 and 522 to 570

G.

	No.
Gaivotas island	809
Galantry head	43
Galera point	970
Galera point, San Lorenzo island	1,056
Galibi head	795
Gananoque narrows	253
Gannet rock	348
Garcia, Martin	928
Garnish	52
Gaspé bay	75 to 81
Gaspé, Cape	75
George bay, St.	390
George, Cape	415
George, Cape St.	388
George harbor, St.	721
George's island	465
Georgetown (Prince Edward island)	366
Georgetown (British Guiana)	788 and 789
Georgia, Gulf of	1,117
Gibb's hill (Bermuda)	570
Glengarry	239
Gobernadora	603

	No.
Gonzalo river	342
Goose, Cape	126a
Goose lak	282
Goyabal	820
Gozier islet	681
Grace harbor	21 to 23
Grand bay	672
Grand Bourg	691
Grande do Norte, Rio	843
Grande do Sul, Rio	886
Grande isle (Kamouraska)	125
Grand harbor	347
Grand lake	351f to 354
Grand Manan island	346 to 347a
Grant's beach	300
Grape cay	754
Great Antilles	599 to 664
Great Bird rock	71
Great Bras d'Or	410
Great Curaçao island	767
Great Inagua island	589
Great Isaac	573
Great Stirrup cay	577
Green head	351e
Green island (Guayaquil)	1,083
Green island (C. Breton island)	432
Green island (Newfoundland)	15
Green island (Nova Scotia)	456 and 474
Green island (St. Lawrence river)	119
Greenly island	4
Green shoal	[illegible]
Gregory, Cape	936
Grenada island	721
Grenadier island	240
Grenville bay	361
Grifo island	1,101
Grindstone	324
Grindstone island	69
Grondines	157
Grosse point	223 to 224
Guabun cape	948
Guadaloupe island	679 to 689
Guajara island	814
Guana cay, Little	583
Guañape	1,063
Guanos	609
Guantánamo	632
Guayaquil	1,075 to 1,083
Guiana, New Granada, and Venezuela	755 to 807
Gulf of Georgia	1,117
Gulf of St. Lawrence	61 to 96
Gull cliff	347a
Gull rock	500
Gun cay	575
Guyon island	431
Guysborough harbor	444
H.	
Hacha, Rio de la	761
Haiti, Port au Prince	657 to 659
Half-moon cay	748
Halifax	464 to [illegible]
Hamilton island	[illegible]
Harbor Grace	21 to [illegible]
Harbor island	461
Hart's island	46
Hattes point	795
Haute, Isle	540
Havana	[illegible]
Havre Bouche	591
Hawaii island	1,121 to 1,123
Hay island	302
Head harbor	340
Heath point	[illegible]
Hebert, Port	498
Hermitage bay	[illegible]
Heron island	276
Herradura de Coquimbo	1,[illegible]
Herradura point	1,021
Hetty point	[illegible]
Hillsborough	[illegible]
Hillsborough bay	368 to 369
Hilo harbor	1,123
Hobson's nose	[illegible]
Hog island (West Indies)	[illegible]
Hole in Wall	581
Holly point	453
Honduras, Cape	[illegible]
Honolulu	1,128
Hood, Port	[illegible]
Hope islet, Little	[illegible]

	No.
Horn rgas island	1,057
Horseshoe bar	295
Horton	548
Huacanec island	946
Huacho head	1,059
Huafo island	945
Huapilacuay	950
Huasco	1,019 and 1,020
Huckleberry	300
Huevos island	1,065
I.	
Icacos point	782
Ignacio point, San José	933
Ile aux Chiens	49
Inagua island, Great	589
Indian point flats	373
Indio point light-ship	918
Infieles point	1,032
Ingonish island	404
Inhatomirim	882
Iquique	1,041
Ironbound island, East	476
Ironbound island, West	484
Isaac island, Great	573
Isaac's harbor	455
Islay	1,047
Isle à la Bague	193
Isle à Cadieux	220
Isle à la Pierre	183
Isle aux Prunes	184
Isle aux Raisins	179 to 181
Isle do Mel	879 and 880
Isle Haute	545
Isle of Pines	643
Itacolomi	826
Itapuan	857
J.	
Jack-straw shoal	255
Jagua harbor	637
Jamaica island	645 to 649
Janeiro, Rio de	874 to 876
Jerseyman's island	440
John's harbor, St. (Newfoundland)	25 to 29
John's harbor, St. (N. Brunswick)	332 to 339
José fort, San	653
José Ignacio point, San	903
José point, San	912
José, San	1,069
Jourimain island	321
Juan de Ulloa, San	725
Juan Fernandez island	992
Juan, Port San	661
Juan, San	1,048
Jutahy	822
Jutias cay	601
K.	
Kaimar head	795
Kamouraska, Grand Ile	125
Kawathae	1,123
Kealakeakua	1,122
Kidston island	413
Kingsport	547
Kingstown	513
Knight's point	362a
Kralendijk	773
L.	
Labrador	1 to 4
Lacao island	955
Lachine	201
Lac, Montée du	133
Lacre point	772
La Grande, Sagua	619
Laguna de Terminos	731
La Hacha, Rio de	761
Lahaina port	1,120
La Have	485
Lahinaluna	1,126
Lake, Grand	351f to 354
Lake Patos	888 to 898
Lake St. Francis	223 to 239
Lake St. Louis	203 to 213
Lake St. Peter	173 to 181
La Libertad	1,093
Lamelin harbor	50
Lamentin point	657
Langlais point	153
La Paz	1,104
La Plata, Rio de	907 to 928
Lark islet	115
La Ronde, Cape	434

	No.
Latour, Port	510
La Union, Port	1,094
Laurel point	974
La Valtrie	185
Lavapie point	979
Lawrence gulf, St.	61 to 96
Lawrence river, St.	96 to 266
Lebu, Port	978
Lengua de Vaca	1,007
Lepreau	336
L'Etang harbor	337
Levuka harbor	1,158
Libertad, La	1,093
Liles point	1,101
Limon, Port	754
Lingan head	422
Liscomb island	458
Little Bras d'Or lake	412 to 415a
Little channel	338a
Little Curaçao	769
Little Guanica cay	583
Little Hope islet	496
Little Metis point	105
Little Narrows	415a
Little Sands	367b
Liverpool bay	490 to 492
Lobos cay	593
Lobos de Afuera	1,068
Lobos point	964
Locos island	1,094
Long Pilgrims	123
Lorenzo island, San	1,053
Los Pinzones	611
Los Roques	776
Lota, port	982
Louisburg harbor	430
Lower Newcastle	301
Lucia island, St.	707 and 711
Lucrecia	627
Luiz, San	830
Lunenburg bay	480 to 482
Luzia, Santa	867
Lyndock island	251
M.	
Maccio	851
Machias island	349
Macnutt island	504
Macoripe point	838
Macorque island	1,058
Macquereau point	269
Madame island	434
Madeleine, Cape	165 to 167
Magdalen, Cape	91
Magdalen islands	65 to 71
Magellan strait	932 to 944
Mahone bay	476 to 478
Maillen island	960
Malaguash bay	480 to 482
Malcolm point	303
Maldonado bay	904
Malpelo point	1,074
Manan island, Grand	346 to 347a
Mandinga point	1,081
Manicouagan shoals	103
Manta bay	1,085
Manzanilla island	755
Maracaybo	763
Marache point	438
Maranham	826 to 834
Marca, Cape	894
Marcello, Fort do	861
Marcos, Fort San	830
Margaree island	400
Margaretville	541
Maria, Fort Santa	860
Maria island, Santa	981
Marianao	814
Mariegalante island	691
Mark's point	341b
Maroni river	795 to 797
Marshall cove	542
Marta, Santa	759
Marthe point, St.	[illegible]
Martin Garcia	928
Martinique	695 to 705
Martin river	32
Martin, St.	672
Marycabo	76[illegible]
Mary, Cape St. (Newfoundland)	39
Mary, Cape St. (Bay of Fundy)	52[illegible]

	No.
Matane	99
Maternillos point	623
Mauger beach	466
Mauger cay	739
Maui island	1,126
Mayaguez	662
Maysi, Cape	631
Mazatlan	1,103
McGee's point	229
M'Kenzie point	412
McKillop's point	228
McManus	353
McTavish point	219
Media point	1,023
Mel, Isle do	879 and 880
Mercer head	51
Meteghan river	529
Metis point, Little	105
Metway head	488
Metway, Port	488
Mexico and Central America	723 to 754
Mexico and Central America, SW. coast	1,091 to 1,104
Middle island	304
Midgic bluff	341
Miramichi bay	291 to 313
Miscou island	282 and 283
Mocha island	976 and 977
Mocla island	878
Mohlenfel's point	665
Mollendo harbor	1,046
Money point	403
Monroux islet	685
Montée du Lac	133
Monte Negro	847
Monte Video	910 to 914
Montgomery island	274
Montreal	199
Montserrat island	675
Monts, Point de	101
Morant point	645
Mora, Tambo de	1,045
Morro Castle	605
Morro das Conchas (Conxas)	880
Morro de Santo Paolo	863
Morro del Lota	982
Morro island	759
Morro Nuñez	935
Morro point	661
Mosher island	486
Moule, Port du	687
Mount hill (Bermuda)	571
Mouton, Port	494
Mullin's point	378
Murray harbor	367
Musquash harbor	335
N.	
Nambakalou	1,161
Nanaimo harbor	1,115
Nassau harbor	579 and 580
Naufragados, Punta dos	884
Needham point	721
Negra, Barba	898
Negres, Pointe des	695
Negro harbor	508
Negro island	508
Negro point	333
Neguac gully	289
Neuf, Port	111
New Brunswick	267 to 355
Newfoundland	5 to 60
New Granada, Venezuela, and Guiana	755 to 807
New London (Prince Edward island)	361
Nicoya gulf	1,091
Niebla Fort point	973
No Man's Friend	351b
Norman, Cape	5
Norte, Rio Grande do	843
North Pacific islands	1,121 to 1,130
North point	356
Northumberland strait	317
Nova Scotia	376 to 569
Nuevitas	623 to 625
O.	
Oahu island	1,128
Oak point	275a, 297, and 351c
Offer Wadham	9
Ogdensburg	247
O'Hara point	79
Olinda point	847
Orangestadt harbor	762

	No.
Original, Point P	217
Origneaux, Point aux	126
Orleans island	139 to 142
Oromocto shoal	351a
Oruba island	762
Ottawa river	215 to 222
Ouetique island	436
Ovalau island	1,158

P.

	No.
Pacasomayo point	1,066
Pacific islands, North	1,121 to 1,150
Pacific islands, South	1,151 to 1,181
Padre, cayo Cruz del	615
Pajaros island	1,013
Palominos island	1,052
Panacuera	818
Panama	1,089
Panela shoal light-ship	916
Panmure head	364
Paolo, Morro de Santo	863
Papiete, port	1,153 and 1,154
Papudo	1,003
Para river	808 to 824
Paranagua bay	879 and 880
Parecon Grande	621
Parsborough	556
Partridge island (Bay of Fundy)	556
Partridge island (St. John's harbor)	232
Paspebiac point	271
Pass island	54
Patagonia, Buenos Ayres, and Uruguay	901 to 944
Patos lake	888 to 898
Paul bay, St	1265
Paul island, St	61 to 64
Payta	1,073
Pea island	339
Peart point	444
Pease island	523
Pedra do Sal	836
Pedra Secca	845
Peggy's point	472
Pembroke, Cape	931
Peña Blanca	1,018
Peña Blanca point	1,033
Pepe	643
Percé roadstead	267
Pernambuco	849
Peter island	534
Peter's inlet, St	415
Peter's lake, St	173 to 181
Peter's, St	366a
Petitdegrat inlet	437
Petit Codiac	523
Petite [illegible]rre	679
Petit passage	538
Petit Rocher	276a
Philipsburg	672
Pichidanque	1,004
Pictou harbor	384 and 385
Pictou island	386
Piedras cay (Cuba, N. coast)	611
Piedras cay (Cuba, S. coast)	639
Pierre bay, St	699 to 703
Pierre, Isle à la	183
Pierre island, St	43 to 49
Pilgrims, Long	123
Pillar, Stone	131
Pilot's point	625
Pine, Cape	37
Pines, Isle of	643
Pinto point	957
Pinzones, Los	611
Piraboca rock	857
Pisco	1,050
Placentia harbor	10
Planquata cay	597
Plata, Porto	952
Plata, Rio de la	907 to 928
Platon point	149
Playa Ancha point	997
Plum point	647
Plymouth	1,115
Point Atkinson	615
Point aux Anglais	222
Point aux Origneaux	126
Point aux Trembles	197
Point Caldera	1,023
Point Centinela	[illegible]
Point Chimbote	1,062
Point Claire	207 to 209

	No.
Point Coquito	1,087
Point du Lac	171
Point de Monts	101
Pointe à Pitre	681 to 685
Pointe des Negres	696
Point Eten	1,067
Point, Father	107
Point Galera	970
Point Galera, San Lorenzo island	1,056
Point Herradura	1,021
Point Indio light-ship	918
Point Inficles	1,032
Point Lacre	772
Point Langlais	153
Point Lavapié	978
Point Liles	1,101
Point Lobos	964
Point l'Original	217
Point Macoripe	838
Point Malpelo	1,074
Point Media	1,023
Point Olinda	847
Point Pacasomayo	1,066
Point Paspebiac	271
Point Peña Blanca	1,033
Point Pinto	957
Point Puchoco	983
P[illegible] Rich	7
Point San Gallan	954
Point San Pedro	1,037
Point San Ramon	958
Point San Jose	912
Point San Jose Ignacio	903
Point St. Pierre	159
Point Topocalma	993
Point Toro	994
Point Verde	40
Point Zapallar	1,003
Pokemouche	284
Polonio, Cape	901
Pomquet (St. George Bay)	390
Ponce, Port	663
Pope's harbor	461
Portage beach	293
Portage island	291
Port au Basque	58
Port au Prince (Haïti)	657 to 659
Port Chimbote	1,062
Port Constitucion	990
Port Coronel	983 and 984
Port España	780
Port du Moule	687
Port Hebert	498
Port Hood	398
Port Lahaina	1,128
Port Latour	[illegible]
Port La Union	1,094
Port Lebu	978
Port Limon	754
Port Lota	98[illegible]
Port Metway	488
Port Mouton	494
Port Neuf	111 and 117
Port Papiete	1,153 and 1,154
Porto Plata	652
Porto Rico island	661 to 664
Porto Ponce	663
Port San Antonio	995
Port San Juan	661
Port Santa Cruz (Cuba)	607
Port Savanilla	757
Port St. Andrew	342 and 343
Port St. Francis	169
Port St. John	678
Port Tomé	988
Port Totoralillo	1,015
Port Williams	542
Pots, Brandy	121
Prescott	247
Preston's beach	311
Prim point	540 and 368
Prince Edward island	356 to 375
Progreso	737
Prunes, Isle aux	189
Puakaa point	1,121
Pubnico harbor	516
Puchoco point	983
Puerto Caballos	762
Puerto Cabello	774
Puerto Montt	962

	No.
Puffin island	11
Pugwash harbor	376
Puluqui island	951
Puna island	1,077 to 1,081
Punta Arena	1,077
Punta Arenas	1,091 and 939
Punta Brava	774
Punta Corona	950
Punta dos Naufragados	884

Q.

Quaco	328
Quebec head	263
Quedal, Cape	972
Quenu island	957
Queule bay	975
Queule point	975
Quintero	1,001
Quiriquina island	986
Quod, Cape	942

R.

Race, Cape	35
Race island	1,110
Ragged point	715
Raisins, Isle aux	180 and 181
Rancheria point	619
Ray, Cape	59
Raza island	872
Red Horse rock	259
Red Island bank	113
Red islet	117
Repentigny	191
Richelieu	151
Richibucto	315
Richibucto harbor	314
Richmond harbor	360
Rich point	7
Rico island, Porto	661 to 664
Rif fort	767
Rimouski	107
Rio de Janeiro	874 to 876
Rio de la Hacha	761
Rio de la Plata	907 to 928
Rio Grande do Norte	843
Rio Grande do Sul	886
River St. Lawrence	96 to 266
Rivière du Loup	173
Roatan island	750
Robertson's point	352
Rocas, The	841
Rocher, Petit	276*a*
Ronda, Cape La	434
Roqueta island	1,101
Roseau bay	693
Rose Blanche point	57
Roseway, Cape	504
Rouge, Cape	133 and 134
Royale island	799
Rozier, Cape	73
Rugged Island harbor	500 to 502
Rustico	361*a*

S.

Sable, Cape	572
Sable island	450 to 452
Sagua la Grande	619
Saguenay river	114 and 115
Salaverry	1,065
Sal Cay bank	595 to 597
Salutation head	372
Salut islets	799
Samanco head	1,061
Sambro	470
Sand point	351*d*
Sand spit	506
Sands, Little	367*b*
Sandwich islands	1,121 to 1,130
Sandy Beach point	81
Sandy island	678
Sandy point	938 to 940
Sangallan island	1,049
San Antonio	599
San Antonio, Fort	859
San Antonio port	995
San Carlos de Ancud	950 to 953
San Francisco (Brazil)	853
San Francisco, Convent of	727
San Gallan point	954
San Isidro, Cape	941
San José	1,069
San José de Acajutla	1,097
San José, Fort	653
San José Ignacio point	963

	No.
San Juan	1,048
San Juan de Ulloa	725
San Juan, Port	661
San Lorenzo island	1,053
San Luiz	830
San Marcos, Fort	830
San Pedro point	1,037
San Ramon point	----
San Salvador or Bahia	859 to 861
Santa Anna	834
Santa Barbara island	865
Santa Catharina island	884
Santa Clara island	1,075
Santa Cruz (Cuba)	607
Santa Cruz, Fort	874 and 882
Santa Cruz island	668
Santa Luzia	867
Santa Maria, Cape	942
Santa Maria, Fort	860
Santa Maria island	981
Santa Marta	759
Santiago de Cuba	633
Santo Antonio da Barra	833
Santo Domingo	652 to 659
Santo Domingo city	653
Santo Paolo, Morro de	863
Santos	878
Santos Reis Magos	843
Sarco bay	1,017
Savanilla port	757
Scarborough point	784
Scatari island	426 to 428
Scotia, Nova	376 to 569
Seacow head	372
Seal island	522
Seaman's point	376
Sea Wolf island	400
Sentinel hill	990
Shediac	318 and 319
Sheet harbor	460*a*
Sheet rock	460*a*
Shelburne harbor	504 to 506
Sheldrake island	299
Shingle beach	498
Ship harbor, Canso gut	394
Shippegan harbor	281
Sisal	735
Sissibou river	532
Society islands	1,154 to 1,155
Sombrero island	671
Souris breakwater	362*a*
South America, West coast of	945 to 1,090
South cape	67
South Pacific islands	1,151 to 1,181
South point	717
South Sand heads	1,117
South Tracadie gully	286
South Traverse	127 to 129
Southwestern Wolfe island	344
Souwaroff	1,165
Spear, Cape	31
Spectacle island	494
Spectacle shoal	257
Spencer, Cape	330
Spencer point	554
Spruce p[illegible]	341*a*
Stapleton point	394
Stinking islands	10*a*
Stirrup cay, Great	577
Stoddart island	513
Stone island	183
Stone Pillar	131
St. Andrew, point	366
St. Andrew Port	342 and 343
St. Ann harbor	767
St. Anne	408
St. Anne du Bout de l'isle	221*c*
St. Antoine	143
St. Christopher island	673
St. Croix	145
St. Croix island	668
St. David's island	571
St. Denis wharf	126
St. Esprit island	431*a*
St. Francis	142
St. Francis, Cape	20
St. Francis lake	223 to 239
St. Francis port	169
St. George bay	499
St. George, Cape	388

	No.
St. George harbor	721
St. John	139
St. John port	678
St. John's harbor (Newfoundland)	25 to 29
St. John's harbor (N. Brunswick)	332 to 339
St. John's river (N. Brunswick)	351 to 351c
St. Lawrence gulf	61 to 96
St. Lawrence point	141
St. Lawrence river	96 to 266
St. Louis, Fort	697
St. Louis lake	203 to 213
St. Lucia island	707 to 711
St. Margaret's bay	472
St. Marthe point	699
St. Martin island	672
St. Mary, Cape (Newfoundland)	39
St. Mary, Cape (Bay of Fundy)	528
St. Paul bay	266
St. Paul island	61 to 64
St. Peter's	360a
St. Peter's inlet	415
St. Peter's island	369
St. Peter's lake	173 to 181
St. Pierre bay	699 to 703
St. Pierre island	43 to 49
St. Placide	221b
St. Roque shoals	127 to 129
St. Therese	195
St. Thomas	665
St. Vincent island	713
Sugar loaf island	1,035 and 1,036
Summerside harbor	373 and 374
Surengonea	880
Surinam	792
Suva harbor	1,160 and 1,160a
Suwarrow	1,165
Swallow Tail	846
Sydney	418 to 420
T.	
Tabla cape	1,006
Tabusintac gully	287
Tahiti	1,151
Talcahuano	985 and 986
Taltal	1,039
Tambo de Mora	1,045
Tampico	723
Tapion battery	707
Therese, St.	195
The Roads	841
Thomas, St.	665
Three top island	452
Tignish river	357
Tobago	784
Tocantius river	818
Tomé port	988
Tongoy	1,008
Topocalma point	993
Toro point	994
Tortuga point	1,011
Totoralillo port	1,015
Toulinguet	8
Tracadie	371
Tracadie gully	285 and 286
Tranque island	968
Trap rock	426
Traverse	187
Traverse, South	127 to 129
Trembles, Point aux	197
Trinidad	780 to 782
Trinity harbor	17
Truxillo	752
Tumbez	1,074
Turk's island	591
Turneffe cays	739 and 740
Tusket river	520
Tuxula	737
Twillingate	8
U.	
Ulloa, Fort San Juan de	725
Uniacke point	414
Union, Port la	1,094
Uruguay, Buenos Ayres, and Patagonia	901 to 944
Utilla island	751
V.	
Valdivia	973 and 974
Valparaiso	997 to 1,000
Valtrie, La	185
Vancouver island	1,110 to 1,114
Venus point	1,151
Venezuela, Guiana, and New Granada	755 to 807

	No.
Vera Cruz	725 to 727
Verde point	40
Victoria	1,111
Vieille Ville shoal	709
Viles road	1,005
Vincent island, St	713
Virgin and Caribbee islands	665 to 722
Viti Levu island	1,159 and 1,160*a*
Viuda island	985

W.

	No.
Wade shoal	221
Wadham, Offer	9
Wallace harbor	378
Walton harbor	550
Wedge island	459
West Arichat harbor	440
West coast of South America	945 to 1,090
Western light (St. Peter's lake)	177
West head	328
West Ironbound island	484
Westoff island	947
West Point	359
Weymouth	532
Whitehead island	454
Whitehead, Cape	267
William island	490
Williams, Port	542
Wilmot's bluff	351
Windmill point	243
Wolfe island	263 to 265
Wolf island, Southwestern	344
Wood island (Prince Edward island)	367*a*

X.

	No.
Xagua harbor	637
Xicalango island	731

Y.

	No.
Yarmouth	524 to 526

Z.

	No.
Zapallar point	1,003
Zapara island	763